



**KERALA STATE ELECTRICITY BOARD Ltd**

(Incorporated under the Companies Act, 1956)

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**ABSTRACT**

Procurement and Supply Chain Management framework for materials and services in KSEBL - Sanctioned - Orders issued.

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**Corporate Office (Supply Chain Management)**

B.O.(DB) No. 70 /2024 (KSEB/SCM/XM/AE(A)/2023-24)

Dated:13-02-2024

Thiruvananthapuram

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Read : Note No KSEB/SCM/XM/AE(A)/2023-24 dated 05.02.2024 of the Chairman Managing Director (Agenda No. CR - 02-02/2024).

**ORDER**

Procurement and Supply Chain Management is one of the most important functions in any company. In procurement, every bidding should be studied after successful bidding, during supply and post supply. It is not only important to concurrently study successful bidding but also failed bidding to understand the reasons for failure of the bids. Such concurrent analysis improves the procurement and other related processes. The quality of work, life of infrastructure, operational performance, as well as company's financial performance depends on the improvement in procurement by ensuring quality of standard material procured at the right time in the right quantity and for the right projects (prioritized projects).

In this back ground, it is imperative to ensure that there is cost efficiency efforts taken in every actions including procurement and supply chain management of the Company.

In order to streamline the procurement and achieve efficiencies in terms of quality and cost, as early as on 20<sup>th</sup> September 2022 specific instructions were issued to Finance Division in the meeting indicating constitution of a committee to work out the proposal. Subsequently, on 8<sup>th</sup> and 14<sup>th</sup> December 2022, instructions were given to all Strategic Business Units (SBU), Finance and SCM divisions in particular to study and submit the proposals to improve the procurement as per the CMD Note No : 66 dated 8<sup>th</sup> December 2022 and Note No :74/ CMD dated 14<sup>th</sup> December 2022 respectively.

Thereafter throughout the year in every monthly meeting, it was asked to work on various issues raised by the suppliers, manufacturers, EPC agencies regarding procurement especially bidding documents, agreement conditions and to take measures to streamline the procurement of material and services.

It was specifically instructed that procurement cycle to start in September and complete the process by December in every year and place the orders so as to ensure that there is no material shortage. Also, for the works contracts, it was instructed to prioritize works, accordingly prepare the schedule for procurement. In spite of the best efforts taken, there was no progress and actions from any of the Strategic Business Units.

As per the Note No : 155/CMD dated 22<sup>nd</sup> Nov 2023 of CMD, it was once again instructed to all SBUs to conduct series of workshops with the material suppliers, EPC contractors etc. Accordingly, the workshops were conducted.

There was no progress even after the conduct of workshop. CMD has taken series of meetings in December 2023 and January 2024 with SCM as well as other SBUs to give guidance to the divisions.

It is proposed to do appropriate changes in Procurement and Supply Chain Management. The framework for procurement and supply chain management was placed before Board of Directors as per the note read above.

#### **1. Material procurement framework in KSEBL- Present Scenario**

The Chief Engineer (SCM) is entrusted with centralized procurement of major Distribution and Transmission items covering more than 70% of the total cost of the Annual Procurement. The rest of procurement / purchase of materials for the three Strategic Business Units viz. Distribution, Transmission and Generation are being procured by different procurement / Purchase Authority from regional Chief Engineers to Section heads.

After almost a year and quarter and repeated follow ups, now there are details submitted regarding procurement done at various levels as informed by the field officers. It is envisaged that all the officers shall streamline and improve the procurement process by ensuring transparency and abide to the rules and regulations prescribed from time to time.

The approximate procurement details done annually are as follows:-

##### **Distribution (inclusive of some of the items of Transmission)**

- a. Items procured by Chief Engineer (SCM) - approximate cost Rs.700 Crores in an year
- b. Raw materials for fabrication of items - approximate cost Rs.100 Crore in an year
- c. Items procured by Reginal Chief Engineers/Deputy Chief Engineers - approximate cost Rs.50 Crore in an year
- d. Items purchased from all field officers - approximate cost Rs.150 Crores in an year
- e. Other extra items

**Transmission**

- a. Total items procured through SCM - 180 for Rs.350 Crores.  
Chief Engineer South and Chief Engineer North separately purchase items amounting in range from Rs.1 Crore to Rs.20 Crore.
- b. Deputy Chief Engineer purchase items for 33 KV substation and Executive Engineers purchase items for maintenance.

**Generation Civil:-** All works are EPC turn key contract

**Generation - Electrical**

- a. Through SCM procurement of around 100 items
- b. Chief Engineer does purchase of 33 items and at circle level 10 to 20 items
- c. Power house specific items are local purchases.

Total amount spent for all the above procurement varies approximately Rs.1000 to Rs.1500 Crores.

**A. Procurement of materials for Distribution SBU**

Procurement/Purchase of materials for the capital works and maintenance works of Distribution SBU are being done at different levels. Central Procurement Authority, Chief Engineer (SCM) is entrusted with procurement of majority items required for the capital works, deposit works and Other funded works including periodic maintenance (AMC/CMC) required items. Decentralized purchases are made from Regional Chief Engineers, Deputy Chief Engineers, Executive Engineers, Assistant Executive Engineers and Assistant Engineers level. Further, most of the field officers purchase the items which are being procured through Chief Engineer (SCM) and decentrally at field without any oversight including fabrication items. The transmission materials required in Distribution SBU are being procured by Chief Engineer (SCM).

**B. Procurement of materials for Transmission SBU**

Major materials /equipment required for Transmission SBU except turnkey Projects under Transgrid Projects are being procured from Central Procurement Division i.e. Chief Engineer (SCM). The Distribution materials required for Transmission SBU are also procured along with central procurement items. Transmission materials and Distribution materials with very low requirement which is not procuring by Chief Engineer (SCM) is procured / purchased from Transmission field officers based on the intimation given from SCM wing. The materials for maintenance are being procured /purchased from all levels of field offices in Transmission wing.

**C. Procurement of materials for Generation SBU**

Transmission and Distribution materials required for Generation SBU are being procured along with requirement of Distribution and Transmission SBU by Chief Engineer (SCM). Transmission materials and Distribution materials with very low requirement, which are not procured by Chief Engineer (SCM) are procured / purchased from Generation field offices based on the intimation given from SCM unit at Head Quarters.

As the Generation works are executed on turn key basis, the material procurement for Generation SBU is limited to maintenance only. Most of the maintenance materials such as spares are station specific, it is being procured/ purchased from OEM and other firms. The purchases of generation materials for the maintenance are being done from all level offices up to Assistant Executive Engineer level locally.

## **2. Drawbacks in the existing method followed for procurement**

- a. Bidding documents general conditions and specification need streamlining in consonance with the advancement in Technology as well as commonly practiced conditions in all DISCOMs and Central PSUs.
- b. Many procurements are having one or the other issues because of ambiguity in Bidding conditions and Agreement conditions.
- c. Bidding documents are complex and ambiguous.
- d. Lack of advanced ERP software.
- e. Frequent periodic analysis is not done regarding procurement or purchases to bring in changes to improve the procurement.
- f. The materials having high-cost high volume items which are procured through Chief Engineer SCM from Head Quarters were also seen purchased at field level.
- g. Most of the items at field level are purchased through quotation basis and not by doing procurement process.
- h. In local purchase proper quality assurance tests are not performed and standard specification not adhered.
- i. There are rate variation of the same items procured at different locations by different officers. Some item rates at field level purchases are lower than at the Head Quarter level procurement and vice versa.
- j. The requirement of items, need analysis need further improvement.
- k. The supply chain needs improvement.
- l. There are delays in procurement and stock out situation of the materials required for the maintenance.
- m. The procurement cycle as per procurement manual of KSEBL/ instruction is not

followed up such as Procurement cycle must start at September and completed by December in the year. The Supply orders to be given in December so as to give three months time to the agencies to supply to ensure inventory in place from April onwards.

- n. Proper methodology for computation of PAC needs to be worked out.

**Proposed framework for Procurement and Supply Chain Management of material and services**

The present framework of procurement has to be streamlined so as to address the drawbacks in the existing system. All the required materials for Distribution wing, Transmission wing and Generation wing for a financial year, EPC contracts and any services shall be procured based on the proposed procurement methodology.

The procurement and Purchases are distinct from each other. For any bulk quantity of material and services procurement shall be done. For isolated items depending on the value and financial delegation, the purchase shall be effected.

The procurement shall be adopted instead of purchases at different levels.

This basic framework for procurement shall be followed and based on every procurement done the concurrent efforts will be taken to strengthen it. Any major change required shall be done based on proper study, data analysis with rationale by submitting specific proposals before the Board of Directors.

This covers the framework of procurement of goods and service required for all the three Strategic Business Units viz. Generation, Transmission and Distribution.

**Following principles shall be followed up to have transparent and strong procurement and supply chain management.**

- i. Aggregation of quantity to achieve the scale of economies
- ii. Proper forecasting of the required quantity with due consideration for buffer stocks as the case may be
- iii. Standardization of items and specification
- iv. Standard quality checks and quality assurance
- v. Use of uniform standard bidding document
- vi. Use of uniform supply chain management protocol
- vii. Use of uniform purchase guideline in case of emergency purchases
- viii. Supplies at Circle store and issuance only through Software program based on the forecasted inventory by the field functionary.
- ix. Work out rate contract only for the items with low requirements.
- x. Vendor registration process ensuring multiple vendors

**The procurement and Supply Chain Management Unit**

- The Supply Chain Management unit headed by Director (SCM) and Chief Engineer

(SCM) and others in corporate office shall be renamed as Procurement and Supply Chain Management Unit for doing Procurement of all goods and Services.

- The consolidated procurement plan for a financial year for three SBUs shall be prepared by Chief Engineer (P&SCM) based on the requirement furnished from the respective SBUs.
- If any new item is included or existing specification require modifications for Transmission and Distribution items required for both Transmission and Generation SBU in line with the advancement of Technology / revision of IS/withdrawal of IS etc, technical specifications vetted by the respective Specification Committee shall also be forwarded along with requirement by the respective SBUs.

**B. The Procurement Authorities :**

The following officers shall be the procurement Authorities.

1. Director (P&SCM), Chief Engineer (P&SCM) and officers working in the procurement and supply chain unit.
2. The designated Regional Chief Engineers.
3. The designated Chief Engineers of Transmission and Generation units.
4. The designated Deputy Chief Engineers of respective SBUs.

**The Procurement Authorities and other Committees**

- a. Technical Specification and Evaluation Committees constituted for Distribution item.
- b. Technical Specification and Evaluation Committees constituted for Transmission items.
- c. Technical Specification and Evaluation Committee constituted for Generation materials.
- d. Material standardization committee / Rate Committee / Functional Committee constituted under IT wing.
- e. Inspection officers entrusted for Pre dispatch inspection and Factory inspection

shall be accountable to ensure timely procurement of material and services by adhering to the following instructions :-

- i. There shall be a specific vertical unit created with designated officers for supply chain management within Procurement and Supply Chain Management unit. The designated procurement authorities shall do the procurement and the designated supply chain managing officers shall do supply chain management.
- ii. The stock in hand and requirement shall be assessed properly by Director of

respective SBUs along with designated procurement Authority.

- iii. The procurement shall be done for total state based on the forecasting done at the Head Quarters by the Procurement and Supply Chain Management Unit based on the requirements furnished from all SBUs.
- iv. Designated procurement authority shall not sub delegate authority to any one else.
- v. **The following officers shall be the designated procurement authorities for Distribution Transmission and Generation Material.**

Procurement Authority			
Distribution materials	Transmission materials	Generation materials	Raw materials for fabrication of material items
The Chief Engineer (P&SCM).	The Chief Engineer (P&SCM).	The Chief Engineer (Generation).	Deputy Chief Engineer, Civil Circle, Pallom
The Regional Chief Engineers of Distribution.	Chief Engineer Transmission South, North, Chief Engineer (SO)	Deputy Chief Engineers of Generation Circles	
The Dy. Chief Engineers of Electrical Circles.	Deputy Chief Engineer of Transmission Circles and Executive Engineer of Transmission Division, Pathanamthitta and Deputy CEs of SOC		

- vi. All members in Technical committee shall function only for 2 years.
- vii. Every year the new members shall be co-opted based on their subject knowledge and proven efficiency.
- viii. The technical Committee shall examine the technical specification used nationally and by other DISCOMS, Central PSUs and finalize correct technical specification.

**c. Other units of KSEBL are designated as Procurement support Authorities .**

1. The designated unit for concurrent audit of procurement of goods and services in Internal Audit
2. The designated unit for procurement of goods and services in IT Division
3. Custodian officers of different Stores
4. Anti power theft squads
5. All field unit heads
6. Officers entrusted for fabrication and Galvanization and transportation logistics.

These support authorities shall give all assistance and do facilitation to ensure

smooth procurement and Supply chain management

7. A committee of Director Finance, Financial Advisor, Chief Internal Auditor , Technical Directors, Sr. Law officer and if require one or two experts designated by CMD shall yearly update the standard bidding documents and agreements.
  - a. The committee shall refer to Ministry of Power Gol, other DISCOMS, Central PSU guidelines and CVC guidelines to draft standard bidding documents.
  - b. The committee shall put up the proposal of amendment to take decision at appropriate Full Time Directors (FTD) level/ Board level.

**D. Duties and Responsibilities of the Procurement support authorities.**

- a. Internal Audit wing shall do concurrent Audit
- b. IT division shall ensure updates of software and generate required reports
- c. APTS shall conduct inspection of the stores in April, May and June as part of annual stock reconciliation and cross verify the data in software and sites and submit report in June.
- d. Based on the opening stock and the requirements furnished by the field units, the procurement division shall decide the quantity to be procured
- e. All field unit heads shall take monthly meeting to ensure data updations in software and to review the procurement progress, supply chain status and status of availability of material.
- f. All field unit heads shall conduct random inspection of all stores once in three months for ensuring proper supply chain material management.

**E. The Procurement Cycle**

	Activities	Time schedule
1	Maintenance of Store and Inventory Management	April 30 <sup>th</sup>
2	Calculation of validation of Opening stock	May 31 <sup>st</sup>
3	Forecasting of requirement based on the works included in the Annual plan /anticipated maintenance plan	July 31 <sup>st</sup>
4	Validation of forecasting at appropriate level	August 31 <sup>st</sup>



5	Board approval	September 15 <sup>th</sup>
6	Tendering as per the standard bidding document	Before 30 <sup>th</sup> of September
7	Completion of Bidding and qualification of bidders	November
8	Supply orders	December
9	Do facilitation (Drawing approval/ Inspection/MDCC for 1 <sup>st</sup> lot )	Completed by March
10	Ensure supply	Delivery from April onwards

#### **F. Store and Supply Chain Management**

- a. The Supply schedule shall be appropriately worked out by the designated officers for the supply chain management.
- b. Accordingly supplies at the respective stores to be worked out, as far as possible the materials shall be delivered at Circle store and from Circle store it shall be taken.
- c. The inventory movement shall be done only based on online system developed for Distribution materials.

#### **G. Short supply and Emergency Procurement**

- a. Supply Chain Management shall be revamped and monitored daily, weekly and monthly basis.
- b. Any short supply anticipated in advance shall be informed timely to Director (P&SCM).
- c. Appropriate instructions for making good the items in short supply shall be given after working out the possibility of supplying it by adjusting within the Circle and among Circles within the region/among the regions.
- d. The designated procurement authority shall arrange the purchase if 'c' above is not possible.

#### **H. General Guidelines**

- a. Last three year procurement and consumption to be studied. The stock in hand to be considered to arrive at base figure for procurement.
- b. The requirement of raw material for fabrication items shall be estimated by Chief Engineer (P&SCM).
- c. The procurement of raw material like steel shall be done by comparing the RBI index.

- d. Field officers shall not procure steel or fabricated items locally.
- e. In case of exigency regarding fabrication items, it should be reported to the Director (P&SCM) through Deputy Chief Engineer Pallom and Director (P&SCM) shall put up the matter to CMD to take appropriate decision for such urgent procurement.
- f. The labour contract for fabrication shall be done properly without wide variation at fabrication units at Angamaly, Pallom and Kozhikode. Variations if any to be reported.
- g. The details of galvanisation of fabricated material contract including transportation contract shall be reported.
- h. The materials can be grouped in different clusters. Directors of concerned Strategic Business Units (SBU) may appropriately decide the number of clusters. Each cluster shall be allotted to the designated Chief Engineer/Deputy Chief Engineer to do total procurement for the state.
- i. After doing the clusters, the items standardization and specification standardization shall be done.
- j. The standard quality checks, tests, assurance, certification shall be followed.
- k. Based on the opening stock, the Procurement authority shall do appropriate forecasting and decide the quantity requirement.
- l. The procurement shall be done for total quantity required in the state based on the forecasting done at procurement division at the HQ.
- m. All Chief Engineers/ Deputy Chief Engineers shall verify the stock in SAMAGRA of all the stores including section stores and the Physical stock and if any surplus materials are found accumulated without utilization, the same shall be transferred to other stores.
- n. Each Regional Chief Engineer shall initiate action for the procurement of the list of materials assigned in Procurement Plan. Consolidated requirement shall be taken and the procurement shall be arranged duly taking in to the stock and utilization expected in the current FY
- o. Each designated Deputy Chief Engineer shall initiate action for the procurement of the list of materials assigned in Procurement plan based on the total requirement duly taking into account the stock as on date and expected utilization till the end of financial year.
- p. Any items other than the listed items shall be procured with the concurrence of Director (P&SCM) and as per the delegation of power at appropriate level.
- q. The request for procurement /Purchase for any item required for a particular Financial year but not included in the list assigned to Dy CEs/CEs shall be forwarded to CE(P&SCM) for approval. Authority assigned for purchase will be intimated from office of Director (P&SCM) /CE(P&SCM).

- r. The materials which are being fabricated from manufacturing units should not be purchased locally without the sanction from Chief Engineer (P&SCM).
- s. In case of exigency of any items, it should be reported to the Director (P&SCM) through Director concerned and Director (P&SCM) shall put up the matter to CMD to take appropriate decision for such urgent procurement.

#### **4. Procurement for the financial year 2024-2025**

##### **A. Procurement by Chief Engineer (P&SCM)**

Chief Engineer (P&SCM) shall procure 107 items through open tenders **per Annexure IA** Chief Engineer (P&SCM) shall procure items through limited tender for the items vendor registration is done. In case of limited tender through approved vendors, competition among approved vendors, if less than 5 vendors, open tender shall be invited allowing the registered vendors to participate along with other bidders for discovery of competitive rates.

##### **B. Procurement of Raw material by Deputy Chief Engineer, Civil Circle, Pallom for Fabrication of items**

- a. As per the requirement, 41 items are to be fabricated in 3 fabrication units of KSEBL, Central Mechanical Facility Pallom, Mechanical Fabrication unit I Angamally and Mechanical Fabrication Facility II **as per the Annexure IB, II B and III B** CE (P&SCM) shall decide the total requirement of raw material for fabrication of items for Distribution SBU along with the requirement of raw materials for the fabricated items for Transmission and Generation SBU.
- b. The Deputy Chief Engineer, Civil Circle Pallom shall procure the raw material by floating open tenders arriving PAC based on RBI Index.
- c. The Fabrication shall be prioritized based on the stock in hand of fabricated materials and the quarterly requirement from field offices.

##### **C. Procurement Authority - Regional Chief Engineers**

- a. The list of items to be procured by Regional Chief Engineers are also categorized. Designated Regional Chief Engineers shall procure the items as per the **Annexure-IC** with different configurations/rating/ sub category of same items, which is grouped in 4 clusters.

Sl No	Regional Chief Engineer	Number of Item in a cluster to procure
1	CE(DS)	30
2	CE(DC)	92
3	CE(DN)	18

4	CE(DNM)	62
	Total	202 items

- b. Each designated Regional Chief Engineers shall procure the items given in the cluster. PAC shall be arrived based on the rate discovered through open tender and market rate.
- c. Designated Chief Engineer shall procure the standardized bolts and nuts required for Distribution on rate contract basis. The requirement of items included in the cluster that cannot be predicted in advance shall also be procured on rate contract basis for timely availability of material on emergency. Other items with High cost Low requirement and High cost High requirement and Low cost High requirement shall be procured through open tender with suitable delivery schedule. The requirement of distribution material included in the cluster for the Transmission and Generation SBU shall also be included at the time of tendering.

#### **D. Procurement Authority - Deputy Chief Engineers of Electrical Circles**

- a. The items which were procured/Purchased for the financial year 2022-2023 as per SAMAGRA report , but not included in other clusters (procured by Chief Engineer (P&SCM) and Regional Chief Engineers) have been categorized in different clusters with designated Deputy Chief Engineers as per the **Annexure I D**.

SI No	Deputy Chief Engineer	Number of Item in a cluster to procure
1	Electrical Circle (Rural) Kattakada	3
2	Electrical Circle (Urban)Thiruvananthapuram	17
3	Electrical Circle Alappuzha	7
4	Electrical Circle Ernakulam	19
5	Electrical Circle Irinjalakuda	8
6	Electrical Circle Kalpetta	6
7	Electrical Circle Kannur	14
8	Electrical Circle Kasaragod	3
9	Electrical Circle Kollam	9
10	Electrical Circle Kottarakkara	5
11	Electrical Circle Kottayam	6
12	Electrical Circle Kozhikode	5
13	Electrical Circle Manjeri	4

14	Electrical Circle Pala	5
15	Electrical Circle Palakkad	18
16	Electrical Circle Pathanamthitta	4
17	Electrical Circle Perumbavoor	2
18	Electrical Circle Shoranur	20
19	Electrical Circle Sreekandapuram	14
20	Electrical Circle Thodupuzha	11
21	Electrical Circle Tirur	2
22	Electrical Circle Vadakara	1
23	Electrical Circle, Harippad	4
24	Electrical Circle, Nilambur	7
25	Electrical Circle Trissur	0
26	Manufacturing unit for Innovative Devices, Equipments and Accessories (Electrical Circle Alappuzha)	1
	Total	195 items

b. The State wide requirement of items for 2024-2025 included in the cluster including the requirement of material items for 5 TMRs after standardization of the materials and specification finalization has to be procured by the designated Deputy Chief Engineers.

c. The possibility of procurement of safety materials and tools from GEM portal by floating tenders shall be explored as most of the items in safety kit manufactured based on relevant IS are available in GEM portal.

#### **E. Procurement of Computer Hardware /Accessories and Office Equipment**

a. IT products Computers, UPS, Printers, disk etc shall not be procured individually at the field level. It shall be facilitated through IT Unit at HQ. The requirement shall be forwarded to IT wing.

b. Other office equipment and furniture etc shall be procured based on the existing delegation of Financial Powers by the respective officers.

#### **F. Emergency procurement**

a. Transfer of materials to the sections where shortage of materials reported shall be done by the Deputy Chief Engineers concerned. Inter Circle store transfer shall be arranged by the Chief Engineer concerned on emergency, if possible. This shall be done through designated Supply Chain managing officers.

b. Any items, if in short supply at a section and the item is not available at stores within Circle or other region, such items shall be immediately reported to Director and designated procurement authority concerned for taking decision on alternative arrangement.

c. Designated cluster Deputy Chief Engineer, is authorised to procure additional quantity of material in addition to the Central purchase on emergency if the rate is same or less than the rate of Central procurement/ authorized to procure the item in case of short supply in Circles which could not be met even by supply Chain management within Circle and between Circles.

#### **5. IT support for facilitating Procurement and Supply Chain Management**

- i. Once the procurement plan is approved, the list of materials to be procured by each procurement authority shall be captured in SAMAGRA for monitoring of progress of procurement. Provision for adding additional requirement of material /requirement of additional material shall be provided.
- ii. Provision shall be made available in SAMAGRA for Director (P&SCM)/Chief Engineer (P&SCM) for assigning the procurement to any Procurement authority included in Cluster.

#### **6. Procurement through open tenders/Rate contract (Distribution items)**

- i. Each procurement Authority shall issue Material Dispatch Clearance Certificate (MDCC) to the firms for delivering to the 25 Regional Stores/Transmission store Angamaly and TMRs to ensure the supply chain of materials procured.
- ii. The payment shall be released from the Electrical Circle offices on receipt of the invoices from firms after following due process.
- iii. Deputy Chief Engineers shall keep the requirement of each section for reference and Regional Chief Engineers shall keep the requirement of Circles in their jurisdiction.
- iv. All the materials shall be routed through the SRS except a few items and the allocation shall be made based on the request from Assistant Engineers considering the progress of planned work and the already reported requirement for both distribution works and maintenance work.
- v. Executive Engineers of Divisions shall ensure lifting of materials from stores by the Assistant Engineers on receipt of allocation order from Circles for maintaining better inventory flow and for avoiding accumulation of stock.
- vi. Provision shall be made on SAMAGRA to monitor the utilization against requirement of each section and allocation shall be made accordingly to ensure the availability of the materials to all concerned.

#### **7. Material needing Fabrication ( Fabricated material)**

The requirement of fabricated material shall be collected through SAMAGRA from each Circle and allocation may be given from office of CE (P & SCM) fortnightly/monthly. The allocation shall be based on the requirement

furnished by Circles in procurement plan 2024-2025. IT wing shall modify the module to facilitate the allocation process. Lifting of materials allocated from Manufacturing units shall be ensured by the Deputy Chief Engineers for proper movement of inventory.

**8. Procurement of Transmission and Generation items**

- i. At present, most of the transmission materials procured by Chief Engineer(P&SCM) is delivered at, Transmission Division Store (TDS), Angamaly except a few items which is directly delivered to the site. Executive Engineer, TDS is the consignee and Payment is released from the store.
- ii. The materials available in the store is allocated to Distribution / Transmission and Generation field offices based on the requirement.
- iii. In case of Generation materials procured by Chief Engineers/ Deputy Chief Engineers, the materials shall be delivered to Generation Circle Stores / Division stores.
- iv. In case of Transmission materials procured from Chief Engineers/Deputy Chief Engineers based on the total requirement for all the Transmission Circles, Transmission Circle store officers shall be entrusted for the acceptance and issue of materials to field offices.
- v. Store facility shall be arranged by concerned Deputy Chief Engineers and invoices shall be processed through the same officers by following due procedures.

**9. Revision of Delegation of Financial Powers of Executive Officers**

- i. As the aggregation of quantity is made in the procurement, the existing delegation of Financial Powers of the executive officers such as Chief Engineer, Deputy Chief Engineers, Deputy Chief Engineer, Civil Circle, Pallom shall be modified appropriately based on quantum and financial outlay of procurement of materials for Financial year 2024-25.
- ii. The Chief Engineers and Deputy Chief Engineers can invite tenders for procurement without limit. The acceptance of tenders shall be based on the existing delegation of powers.

**10. Specification committee, PQ evaluation committee and Price bid evaluation committee**

- i. The specification of the items to be procured under each procurement authority shall be prepared and finalized by the committee constituted by the designated authority. For Tender Pre-qualification evaluation and Price Bid

evaluation, separate committees shall be formed within the Circle incorporating Division level officers for expediting the process. Regional Chief Engineers shall also constitute committees by selecting officers suitably.

- ii. Tender documents for bidding:- For floating of open tenders, all procurement authority shall use the standard bidding document which is made available from office of CE(P&SCM). Purchase order, Agreement and BG formats shall be common.

### **11. Engaging external Agency**

The Board of Directors as per B.O. (DB) No.377/2023 (CS-134/Expert Agencies/2023-24 dated 08.08.2023 has accorded sanction to engage agency for specialized works. Procurement and Supply Chain Management is very important and specialized work. In order to establish the systems in the first year, a professional agency shall be engaged for providing all the technical support regarding preparation of Bidding documents, bidding process, post Bid opening tabulation and related other activities. The agency shall do capacity building for the procurement and supply chain management. The expenditure shall be met from the budget provision for IDP for the year 2024-25.

### **12. Special team for Factory inspection/Pre dispatch Inspection.**

- i. The factory acceptance test of the materials during pre-dispatch inspection and Factory Inspection during Vendor Registration Process / are being witnessed at present by one or two officers nominated by the Director concerned. Inspection process is delayed due to non-availability of officers as per the scheduled date of inspection. The competency of the officers deputed for inspection shall be ensured.
- ii. An inspection team shall be formed with the panel of officers (Electrical and Civil) for the pre dispatch inspection /factory inspection of different type of equipment/ material, from field those having the experience in respective field in handling specified equipment / material and proven track record.
- iii. Specific training shall be imparted to the inspection officers panel regarding awareness on different Indian standards /International standards for the testing of respective equipment /material and protocol for inspection and witnessing of tests etc. External training including the visit to any NABL Accredited Lab shall be given for building capacities.
- iv. Wherever needed engaging third party inspection by any external agency like CPRI/ ERDA shall be done.

### **Abstract**

The Number of material items and respective Designated Authority included in the procurement plan 2024-2025 of Distribution, Transmission and



2020-2024

Generation SBU is summarized as follows.

DISTRIBUTION SBU material items			
Procurement Authority	Number of items to be procured	Financial outlay	
Chief Engineer (P&SCM)	107 Items	718.49crore	Annexure I A
Regional Chief Engineers	104 Items	15.40crore	Annexure I B
Deputy Chief Engineers	107 Items	2.97Crore	Annexure I C
Deputy Chief Engineer Civil Circle Pallom	No. of items to be fabricated 34 items	97 crore	Annexure I D
TRANSMISSION SBU material items			
Chief Engineer (P&SCM)	107	322.97crore	Annexure II A
Items to be fabricated	9	17.8crore	Annexure II B
Chief Engineers North and South	5	1.13 crore (partial outlay)	Director (Transmission) to furnish the details
Deputy Chief Engineers Transmission Circles and Executive Engineer Transmission Division Pathanamthitta			
Chief Engineer SO			
Deputy Chief Engineer of SOC			
GENERATION SBU material items			
CE (P&SCM)	45	6.28 crore	Annexure III A
Deputy Chief Engineer Civil Circle Pallom (items to be fabricated)	17	56 lakh	Annexure III B
Chief Engineer Generation	38 (Transmission & Distribution items only)	3.24 crore	Annexure III C
	Generation materials		Director (Generation Electrical) to furnish the details
Deputy CEs of Generation Circles	Generation materials		

\* The number may vary as per the decisions regarding projects to be undertaken in the Financial year.

Having considered the matter, the Board of Directors

**RESOLVED** to approve the above proposed Framework for procurement and supply chain management of material.

Orders are issued accordingly.

By Order of the Director Board

Signed by

LEKHA G

COMPANY SECRETARY 02-2024 15:16:27

To:

The Chief Engineer (P& SCM )

Annexure IA/IB/,IC/ID :- Distribution materials procured by CE(P&SCM)/Items to be fabricated/Regional CES/Deputy Chief Engineers of Electrical Circles for 24-25

Annexure IIA/ IIB/IIC:- Transmission Materials procured by CE(P&SCM)/Items to be fabricated/ Regional CEs( list incomplete) for 24-25.

Annexure IIIA/IIB/IIIC:- Transmission and Distribution materials for Generation SBU

Procured by CE(P&SCM)/ Items to be fabricated /

Transmission and Distribution materials procured by CE (Generation)/Deputy CEs )

Copy to:

All Chief Engineers

The Company Secretary/ Financial Advisor/ LA&DEO/ Chief Internal Auditor/  
Chief Vigilance Officer

The TA to the Chairman & Managing Director / Director (Generation-Civil) /  
Director (Distribution, Safety, SCM & IT) / Director (Transmission, SO &  
Planning)/ Director (Generation - Electrical, REES, SOURA, Sports & Welfare)

The PA to the Director (Finance & HRM)

The Sr.CA to the Secretary (Administration)

The RCAO/ RAO

Stock File.

**Forwarded / By Order**



**Assistant Executive Engineer**

## Annexure - IA

## Distribution Procurement Plan for Financial Year 2024-25 ( CE (SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement
1	1 Pole PSC 8 M	062900800000000	each	204828	0	204828	2850.88	583940048.6	CE(P&SCM)
2	2 Pole PSC 9 M	062900900000000	each	20851	0	20851	3589.36	74841745.36	CE(P&SCM)
3	3 Pole Tubular GI 8M	06400331400010	each	750	0	750	8410	6307500	CE(P&SCM)
4	4 Conductor ACSR DOG	052300000000000	metre	0	20000	20000	103.797	2075940	CE(P&SCM)
5	5 Conductor ACSR Rabbit	052600000000000	metre			10000000	45.67	456700000	CE(P&SCM)
6	6 Conductor ACSR Raccoon	052400000000000	metre			1200000	68.518	82221600	CE(P&SCM)
7	7 Cable 11kV XLPE AL UG 3c X300 sq mm (Armoured)	050330012030000	metre	65377	22000	87377	1522.79	133056821.8	CE(P&SCM)
8	8 Aerial Bunched Cable HT 3x150 + 1x120 sq.mm (Insulated Messenger)	058615012000300	metre	186771	13735	200506	1044.33	209394431	CE(P&SCM)
9	9 Aerial Bunched Cable HT 3x120 + 1x95 sq.mm (Insulated Messenger)	058612095000300	metre	385210	39694	424904	935.59	397535933.4	CE(P&SCM)
10	10 Aerial Bunched Cable LT 1x25 + 1x25 (Insulated Messenger)	ERP_NEW_0137	metre	0	333000	333000	51.68	17209440	CE(P&SCM)
11	11 Aerial Bunched Cable LT 3x50 + 1x35 (Insulated Messenger)	ERP_NEW_0136	metre	247032	34000	281032	172.63	48514554.16	CE(P&SCM)
12	12 Aerial Bunched Cable LT 3x70 + 1x50 + 1x16 sq.mm (Insulated Messenger)	058507050160300	metre	7280005	221801	7501806	264.76	1986178157	CE(P&SCM)
13	13 Covered Conductor 99 Sq.mm- 11kV AAC (245 A)	ERP_NEW_0131	metre	777067	0	777067	162.84	126537590.3	CE(P&SCM)
14	14 Cable 1.1kV PVC Insulated AL Twin Core 2.5 Sq.mm PVC Sheathed Weather Proof (TC Weather Proof Wire 1/1.8)	050702501020000	metre	3534545	2424461	5959006	8.5	50651551	CE(P&SCM)
15	15 Cable 1.1kV PVC Insulated AL Twin Core 6 Sq.mm PVC Sheathed Weather Proof (TC Weather Proof Wire 1/2.8)	050900601020000	metre	67155	587306	654461	17.7	11583959.7	CE(P&SCM)
16	16 Anchoring/Dead End Clamp Assembly(Anchor clamp/ dead end clamp,Anchor bracket and flexible metallic rope) suitable for insulated Messenger 120 sq.mm	098501502000000	Set	6432	186	6618	348.1	2303725.8	CE(P&SCM)
17	17 Suspension Clamp Assembly (Suspension clamp ,suspension bracket and movable connecting link) for insulated Messenger 120 sq.mm	098615001000000	Set	5025	379	5404	247.8	1339111.2	CE(P&SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement
18	18 Heat shrinkable End Termination kit for HT AB Cable 150 Sq.mm	98615004000000	Set	1206	0	1206	1264.02	1524408.12	CE(P&SCM)
19	19 Anchoring/Dead End Clamp Assemblyfor (Anchor clamp/ dead end clamp,Anchor bracket and flexible metalic rope) suitable for insulated Messenger 95 sq.mm	098612002000000	set	13600	524	14124	292.64	4133247.36	CE(P&SCM)
20	20 Suspension Clamp Assembly (Suspension clamp ,suspension bracket and movable connecting link) for insulated Messenger 95 sq.mm	098612001000000	set	10625	1238	11863	232.446	2757506.898	CE(P&SCM)
21	21 Heat shrinkable End Termination kit for HT AB Cable 120 Sq.mm	098612004000000	Set	2550	334	2884	1203	3469452	CE(P&SCM)
22	22 MVT kit for HT ABC (for 120 sqmm & 150 sqmm)	098600005000000	set	1878	200	2078	2966.6	6164594.8	CE(P&SCM)
23	23 Stainless steel Strap 20x0.7 mm Thickness for HT ABC	098612002000003	metre	35682	0	35682	43.66	1557876.12	CE(P&SCM)
24	24 Stainless steel Buckles 20.5 x 1.5 mm -thickness 1.2 mm for HT ABC	098612002000004	Each	71364	0	71364	8.26	589466.64	CE(P&SCM)
25	25 UV Plastic tie 450mm length (for LT & HT ABC)	ERP_NEW_1158	Each	407652	0	407652	11.8	4810293.6	CE(P&SCM)
26	26 Cable end cap for 120 sq.mm	ERP_NEW_0082	Each	0	500	500	14.16	7080	CE(P&SCM)
27	27 Cable end cap for 95 sq.mm	ERP_NEW_0292	Each	1600	0	1600	9.44	15104	CE(P&SCM)
28	28 Anchoring /Dead end Clamp Assembly for LT AB Cables up to 35 sq.mm	098503502000000	each	147813	0	147813	258.42	38197835.46	CE(P&SCM)
29	29 Anchoring /Dead end Clamp Assembly for LT AB Cables up to 50 sq.mm	098505102000000	each	9650	150	9800	258.42	2532516	CE(P&SCM)
30	30 Anchoring /Dead end Clamp Assembly for LT AB Cables up to 70 sq.mm	098507102000000	each	181360	150	181510	258.42	46905814.2	CE(P&SCM)
31	31 Suspension Clamp Assembly for LT AB Cables up to 35 sq.mm	098503501000000	each	0	7992	7992	188.21	1504174.32	CE(P&SCM)
32	32 Suspension Clamp Assembly for LT AB Cables up to 50 sq.mm	098505001100000	each	5929	350	6279	188.21	1181770.59	CE(P&SCM)
33	33 Suspension Clamp Assembly for LT AB Cables up to 70 sq.mm	098507101000000	each	174720	10000	184720	188.21	34766151.2	CE(P&SCM)
34	34 Stainless Steel Buckle (Slot width 20.5 mm x 1.5 mm,Thickness 1.2 mm) for LT ABC	098612002000004	each	808302	0	808302	7.996	6463182.792	CE(P&SCM)
35	35 Pre- Insulated Midspan Joints 16 Sq.mm	ERP_NEW_1154	each	5205	447	5652	71.51	404174.52	CE(P&SCM)
36	36 Pre- Insulated Midspan Joints 35 Sq.mm	ERP_NEW_1152	each	17	100	117	71.51	8366.67	CE(P&SCM)
37	37 Pre- Insulated Midspan Joints 50 Sq.mm	ERP_NEW_1151	each	320	50	370	71.51	26458.7	CE(P&SCM)
38	38 Pre- Insulated Midspan Joints 70 Sq.mm	ERP_NEW_1148	each	5944	514	6458	71.51	461811.58	CE(P&SCM)
39	39 Pre- Insulated Midspan Joints 95 Sq.mm		each	19744	0	19744	71.51	1411893.44	CE(P&SCM)
40	40 Stainless Steel Strap [20 mm x 0.7 mm] for LT ABC	098612002000003	metre	61040	0	61040	43.66	2665006.4	CE(P&SCM)
41	41 Post mounting Distribution Box for LT Service Connection	097741563000001	each	20000	0	20000	2242	44840000	CE(P&SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement
42	42 Cable End Cap for ABC 16 Sq mm	098501609000000	each	45913	0	45913	4.72	216709.36	CE(P&SCM)
43	43 Cable End Cap for ABC 35 Sq mm	098503509000000	each	1945	170	2115	4.72	9982.8	CE(P&SCM)
44	44 Cable End Cap for ABC 50 Sq mm	098505009000000	each	44839	200	45039	4.72	212584.08	CE(P&SCM)
45	45 Cable End Cap for ABC 70 Sq mm	098507009000000	each	122020	2000	124020	4.72	585374.4	CE(P&SCM)
46	46 Insulation Piercing Connector (IPC Connector) Main 16 sq mm to 95 sq mm; Tap 4 sq.mm to 35 sq.mm	098509570161695	each	113447	1307	114754	49.56	5687208.24	CE(P&SCM)
47	47 Insulation Piercing Connector - Main: 16 sq mm to 95 sq mm; Tap : 1.5 sq mm to 16 sq mm	098509570161516	each	369360	10085	379445	49.56	18805294.2	CE(P&SCM)
48	48 Insulation Piercing Connector - Main: 16 sq mm to 95 sq mm; Tap : 16 sq mm to 95 sq mm	098509570169595	each	592914	0	592914	114	67592196	CE(P&SCM)
49	49 Satellite connector – Main : 16 sq mm to 95 sq mm; Tap : 2.5 sq mm to 35 sq mm (4 way)		each	407162	0	407162	295	120112790	CE(P&SCM)
50	50 Pre- Insulated Bimetallic lug 16 Sq.mm (For ABC)	ERP_NEW_1165	each			7502	90.07	675705.14	CE(P&SCM)
51	51 Pre- Insulated Bimetallic lug 50 Sq.mm (For ABC)	ERP_NEW_1160	each			15933	91.83	1463127.39	CE(P&SCM)
52	52 Pre- Insulated Bimetallic lug 70 Sq.mm (For ABC)	ERP_NEW_1159	each			22506	96.98	2182631.88	CE(P&SCM)
53	53 Pre- Insulated Bimetallic lug 95 Sq.mm (For ABC)	055009500000001	each			1275	95	121125	CE(P&SCM)
	<b>Accessories for Covered Conductor</b>								CE(P&SCM)
54	54 Tension/Anchoring clamp with tracking protection IPC for covered conductor		each			108000	800	86400000	CE(P&SCM)
55	55 Insulation Piercing connector Bare to covered conductor		each			9000	600	5400000	CE(P&SCM)
56	56 Insulation Piercing connector for networking/brannching/looping for covered conductor		each			27000	400	10800000	CE(P&SCM)
57	57 Non-metalic alignment tie (Pin insulator) for covered conductor		each			216000	300	64800000	CE(P&SCM)
58	58 Mid span joint for 99 sq.mm Covered conductor		each			9000	800	7200000	CE(P&SCM)
59	59 Heat shrinkable end cap suitable for 99 sq.mm Covered conductor		each			18000	50	900000	CE(P&SCM)
60	60 Distribution Transformer 3 Phase 100 kVA 11kV/433 V ONAN (1 Star Rated)	030910012480301	each			808	210560.38	170132787	CE(P&SCM)
61	61 Distribution Transformer 3 Phase 100 kVA 22kV/433 V ONAN (1 Star Rated)	030910022480301	each	3	0	3	236895.62	710686.86	CE(P&SCM)
62	62 Distribution Transformer 3 Phase 160 kVA 11kV/433 V ONAN (1 Star Rated)	030916012480302	each			867	303426.38	263070671.5	CE(P&SCM)
63	63 Distribution Transformer 3 Phase 250 kVA 11kV/433 V ONAN (1 Star Rated)	030925012480301	each	26	80	106	400964	42502184	CE(P&SCM)
64	64 Distribution Transformer 3 Phase 25 kVA 11kV/433 V ONAN (1 Star Rated)	030902512480301	each	39	0	39	65152	2540928	CE(P&SCM)
65	65 Distribution Transformer 3 Phase 315 kVA 11 kV/433 V ONAN (1 Star Rated)	030931512480301	each	5	0	5	750194.44	3750972.2	CE(P&SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement
66	66 Distribution Transformer 3 Phase 500 kVA 11kV/433 V ONAN (1 Star Rated)	030950012480301	each	1	10	11	848058.92	9328648.12	CE(P&SCM)
67	67 EM 1x 230V Class 1.0 5- 30A Static LCD with ToD(DLMS Compliant)	041203041000105	each	36817	1200000	1236817	588.82	728262585.9	CE(P&SCM)
68	68 EM 3X 230V CLASS 0.5S --/5A LCD(DTR /LT CT METER)	041300541000020	each	822	0	822	1950	1602900	CE(P&SCM)
69	69 EM 3x 230V Class 1.0, 10- 60A, Static, LCD Display with ToD Facility	041206041010104	each	674	150000	150674	1530	230531220	CE(P&SCM)
70	70 EM 3X 230V LCD TOD CLASS 0.5S --/5A (LTCT METER)	041400541000223	each	20	8000	8020	2070	16601400	CE(P&SCM)
71	71 EM 1x 230V, 5-30A Class 1.0, Static LCD, ToD facility and DLMS Compliant Single Phase Meter (IMPORT/EXPORT)		each			26500	760	20140000	CE(P&SCM)
72	72 EM 3x240V Class 1.0, 10-60A, Static LCD with ToD facility and DLMS DLMS Compliant Three Phase Meter (IMPORT/EXPORT)		each			27500	2339.99	64349725	CE(P&SCM)
73	73 EM 3x240V, -/5A Class 0.5S, Static LCD with ToD facility and DLMS DLMS Compliant LTCT Meter (IMPORT/EXPORT)	41400234000027	each			700	5500	3850000	CE(P&SCM)
74	74 EM 3x110V, -/5A Class 0.2S, Static LCD, ToD facility and DLMS Compliant HT CT/PT operated Meter (IMPORT/EXPORT)	041400534000027	each			250	36000	9000000	CE(P&SCM)
75	75 Disc Insulator 11 kV Composite Polymeric	091104512990000	each	26673	27558	54231	163.39	8860803.09	CE(P&SCM)
76	76 COMPOSITE PIN INSULATOR 11 kV with Pin	091104512990006	set	22804	0	22804	170.39	3885573.56	CE(P&SCM)
77	77 Lightning Arrester 9 kV,10 KA (Station class) Composite Polymer Housing	ERP_NEW_0742	each	588	12000	12588	1792.42	22562982.96	CE(P&SCM)
78	78 LIGHTNING ARRESTOR 9 kV 5 KA	090500964000000	each	1266	0	1266	589.31	746066.46	CE(P&SCM)
79	79 Air Break Switch (AB Switch) 11kV 4 00 A , Composite Polymer Housing	090340012000001	each	3198	0	3198	18528.36	59253695.28	CE(P&SCM)
80	80 CT PT UNIT 11KV/110V 100- 200/5A 10 VA (for 4 - wire metering)	040901247012303	each	1	5	6	62773.82	376642.92	CE(P&SCM)
81	81 CT PT UNIT 11kV CLASS 0.5 50 VA 400/5A	040901147012302	each	16	0	16	34574	553184	CE(P&SCM)
82	82 Cable 1.1kV XLPE AL 1c X 120 sq mm (Un Armoured)	050312001010000	metre	115396	131848	247244	90	22251960	CE(P&SCM)
83	83 Cable 1.1kV XLPE AL 1c x150 sq mm (Un Armoured)	050315001010000	metre	0	18145	18145	84	1524180	CE(P&SCM)
84	84 Cable 1.1kV XLPE AL 1c X185 sq mm (Un Armoured)	050318501010000	metre	0	5630	5630	100	563000	CE(P&SCM)
85	85 Cable 1.1kV XLPE AL 1c X 95 sq mm (Un Armoured)	050309501010000	metre	500	70590	71090	84.7	6021323	CE(P&SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement
86	86 Cable 1.1kV XLPE AL 1c X 50 sq mm (Un Armoured)	050305001010000	metre	0	17664	17664	60.18	1063019.52	CE(P&SCM)
87	87 Cable 1.1kV XLPE AL 1c X 70 sq mm (Un Armoured)	050307001010000	metre	0	23066	23066	77.82	1794996.12	CE(P&SCM)
88	88 COMPOSITE LINE SPACERS- 2LINE(300mm)	095830020000001	each	6000000		6000000	28.32	169920000	CE(P&SCM)
89	89 COMPOSITE LINE SPACERS- 4 LINE(300mm)	095830040000001	each	4000000		4000000	45.88	183520000	CE(P&SCM)
90	90 COMPOSITE LINE SPACERS- LT 2 LINE(450mm)	ERP_NEW_0346	each	0	14759	14759	37.35	551248.65	CE(P&SCM)
91	91 FUSE UNIT 4 15 V 100 A PORCELAIN	1509100000000000	each	7833	28194	36027	423	15239421	CE(P&SCM)
92	92 FUSE UNIT 4 15 V 200A PORCELAIN	1509200000000000	each	1263	27011	28274	922	26068628	CE(P&SCM)
93	93 FUSE UNIT 4 15 V 300A PORCELAIN	1509300000000000	each	0	2668	2668	987	2633316	CE(P&SCM)
94	94 PIN INSULATOR 4 15V SET(WITH PIN)	091204512000099	set	235377	120463	355840	71.4	25406976	CE(P&SCM)
95	95 Stay Wire 7/8 (7/3.15mm) GI (HT Stay Wire)	094301101000000	kilogram	703809	329378	1033187	73	75422651	CE(P&SCM)
96	96 SHACKLE INSULATOR 415V SET(WITH STRAP BOLT&NUT)	091404548000099	set	103359	223420	326779	65.96	21554342.84	CE(P&SCM)
97	97 Stay Insulator Porcelain 11k V	091504512000000	each	21427	38446	59873	47.79	2861330.67	CE(P&SCM)
98	98 Stay Insulator Porcelain 415/240 V	091504548000000	each	135614	85074	220688	18.88	4166589.44	CE(P&SCM)
99	99 Helically formed Guy- Grip HT	094301102000000	each	38468	6667	45135	66	2978910	CE(P&SCM)
100	100 Helically formed Guy- Grip LT	094300402000000	each	709723	25267	734990	78	57329220	CE(P&SCM)
101	101 Turn Buckle ,Eye bolt with 2 Nuts 20 mm dia -GI (11kV) (STAY TIGHTNER HT)	094300403000001	each	19768	0	19768	482.88	9545571.84	CE(P&SCM)
102	102 Turn Buckle ,Eye bolt with 2 Nuts 16 mm dia -GI (LT) (STAY TIGHTNER LT)	094300403000000	each	148661	0	148661	409.68	60903438.48	CE(P&SCM)
103	103 Air Break Switch (AB Switch) 11 kV 400 A , Composite Polymer Housing (Double Break)	090311200001000	each	0	300	300	18528.36	5558508	CE(P&SCM)
104	104 Pin (GI) for LT Pin Insulator	091704512000000	each	67931	0	67931	47.85	3250498.35	CE(P&SCM)

Sl.No.	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	All inclusive rate	Amount	Office authorised for Procurement	
105	105	PIN INSULATOR 415/240 V Porcelain	091204512000000	each	0	4440	4440	27.69	122943.6	CE(P&SCM)
106	106	Cable 11kV XLPE AL UG 3c X185 sq mm (Armoured)	050318512030000	metre	42044	29	42073	750	31554750	CE(P&SCM)
107	107	TRANSFORMER OIL	170100000000000	Litre	0	12912	12912	41.67	538043.04	CE(P&SCM)
<b>Total</b>								<b>7184913545.21</b>		
<b>Rounded to Rs. 7184913545/- (Rupees Seven hundred and eighteen crore forty nine lakh thirteen thousand five hundred and forty five only)</b>										

Sd/-  
Chief Engineer (P&SCM)



## Annexure IB

## Distribution Procurement Plan for Financial Year 2024-25 ( Items to be fabricated )

SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	AIR	Amount	Point of Procurement
<b>MATERIALS FOR FABRICATION</b>									
1	Channel Cross arm for LT 2 Pin - GI 75 x 4 0 x 6 mm- 0.510 mt (2 line Cross arm)	95401000000000	each	19375	87000	106375	530.33	56413853.75	Central Mechanical Division& MF Units
2	Channel Cross arm for LT 2 Pin - GI 75 x 4 0 x 6 mm- 0.510 mt with CBN (2 line Cross arm)	93302150250000	set	0	85000	85000	370.44	31487400	Central Mechanical Division& MF Units
3	Channel Cross arm for LT 4 Pin - GI 75 x 4 0 x 6 mm 1.11 mt (4 Line Cross arm)	93304150250000	each	0	94478	94478	866.29	81845346.62	Central Mechanical Division& MF Units
4	Channel cross arm GI 75 x 4 0x 6 mm- 1.11 mt With CBN (4 line Cross arm)	93300402000499	set	26832	0	26832	726.7	19498814.4	Central Mechanical Division& MF Units
5	Channel cross arm GI 75x4 0x6mm 1.8M	93301101751800	each	8195	12294	20489	1478.66	30296264.74	Central Mechanical Division& MF Units
6	Channel cross arm GI 75 x 4 0 x 6 mm 2.4 mt	93301101752400	each	7125	7199	14324	2066.76	29604270.24	Central Mechanical Division& MF Units
7	Clamp for 2/4 line channel Cross Arm for PSC Poles 200kg	94100024000001	each	0	96893	96893	116.25	11263811.25	Central Mechanical Division& MF Units
8	Clamp for HT Cross arm	ERP_NEW_0380	each	0	20899	20899	216.98	4534665.02	Central Mechanical Division& MF Units
9	Clamp for V Cross arm	ERP_NEW_0378	each	0	5505	5505	238.3	1311841.5	Central Mechanical Division& MF Units
10	Clamp GI for 11kV line V cross arm	ERP_NEW_0749	each	6732	0	6732	261.6	1761091.2	Central Mechanical Division& MF Units
11	Clamp GI For 8 mt Strut Pole (For Pole)	ERP_NEW_0748	each	28280	413	28693	161.7	4639658.1	Central Mechanical Division& MF Units
12	Clamp GI For 8 mt Strut Pole (For Strut)	ERP_NEW_0111	Number	-14	413	399	161.7	64518.3	Central Mechanical Division& MF Units

SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	AIR	Amount	Point of Procurement
13	Clamp GI for 8 mt Tubular pole	94100008000002	each	2665	0	2665	100	266500	Central Mechanical Division& MF Units
14	Clamp GI For 9 mt Strut Pole (For Pole)	ERP_NEW_0747	each	1918	9713	11631	161.7	1880732.7	Central Mechanical Division& MF Units
15	Clamp GI for LT 2pin/4 Pin Cross arm for Angular location	94100002000000	each	159337	0	159337	65	10356905	Central Mechanical Division& MF Units
16	Clamp GI for LT Stay for Angular location	94100003010060	each	148661	64214	212875	120	25545000	Central Mechanical Division& MF Units
17	Cleat GI for 11kV Disc insulator	93800000000000	each	26670	15000	41670	74	3083580	Central Mechanical Division& MF Units
18	CLAMP GI FOR HT CROSS ARM	94100001000000	each	7352	0	7352	238.95	1756760.4	Central Mechanical Division& MF Units
19	Clamp GI for HT Stay for End location	ERP_NEW_0112	Number	40	0	40	161.7	6468	Central Mechanical Division& MF Units
20	CLAMP GI FOR HT STAY WITH BOLT and NUT SET	94100003000001	set	19768	0	19768	315	6226920	Central Mechanical Division& MF Units
21	Pipe GI 40 mm dia - 2.5 m Length( Earth Pipe)	95404000000000	each	11505	12261	23766	721.99	17158814.34	Central Mechanical Division& MF Units
22	Pole Top Bracket - F Type GI - 11 kV	94601100000000	each	3816	23200	27016	189.16	5110346.56	Central Mechanical Division& MF Units
23	Stay Rod (Anchor Rod) GI 16 mm dia (LT Stay Rod)	94300404000000	each	148661	131999	280660	310.97	87276840.2	Central Mechanical Division& MF Units
24	Stay Rod (Anchor Rod) GI 20 mm dia (HT Stay Rod)	94301104000000	each	19768	39880	59648	487	29048576	Central Mechanical Division& MF Units
25	POLE A TYPE 11 M	62801100000000	each	85	0	85	32806.18	2788525.3	Central Mechanical Division& MF Units
26	POLE A TYPE 12 M	62801200000000	each	7695	0	7695	37088.27	285394237.7	Central Mechanical Division& MF Units

SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	AIR	Amount	Point of Procurement
27	POLE A TYPE 14 M	62801400000000	each	912	0	912	62841.19	57311165.28	Central Mechanical Division& MF Units
28	CROSS ARM 2 LINE SET(WITH CLAMP BOLT&NUT)	93300402000299	set	12238	0	12238	410.84	5027859.92	Central Mechanical Division& MF Units
29	CROSS ARM GI CHANNEL 100X50 mm 3 M	93301101993000	each	11853	0	11853	3425.93	40607548.29	Central Mechanical Division& MF Units
30	V cross arm GI 11 kV	93301103000000	each	11038	26412	37450	1281.48	47991426	Central Mechanical Division& MF Units
31	Anchor Plate 200 x 200 x 6 mm GI (LT Stay Plate GI)	94300003000000	each	148661	30000	178661	262.59	46914591.99	Central Mechanical Division& MF Units
32	Anchor Plate 200 x 200 x 8 mm GI (HT Stay Plate GI)	94300004000000	each	21592	0	21592	486.04	10494575.68	Central Mechanical Division& MF Units
33	Packing Clamp (U Clamp)	ERP_NEW_0381	each	51396	0	51396	35	1798860	Central Mechanical Division& MF Units
34	Anchor Plate 300 x 300 x 8 mm GI (HT Stay Plate GI)	ERP_NEW_0297	each	0	10500	10500	685.01	7192605	Central Mechanical Division& MF Units
<b>Total</b>								<b>965960373.4</b>	
<b>Rounded to Rs.96,59,60,373/- (Rupees Ninty six crore fifty nine lakh sixty thousand three hundred and seventy three only)</b>									

sd/-  
Chief Engineer (P&SCM)

**Annexure IC**

**Distribution Procurement Plan for Financial Year 2024-25 ( Regional CEs )**

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
1	1	20/C(E)/ Motorized compatible with existing RMU FBX-E 12-21 155995 M+CCT2 with bus coupling kit	ERP_NEW_0318	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
2	2	11 Kv,1T RMU, Make : Snider FBX/12-20/T2/ Motorized compatible with existing RMU FBX-E 12-21 154092 CCT2 with bus coupling kit	ERP_NEW_0323	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
3	3	11 Kv,1T RMU, Make : Snider FBX/12-20/T2/ Motorized compatible with existing RMU FBX-E 12-21 155995 M+CCT2 with bus coupling kit	ERP_NEW_0321	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
4	4	20/CCT2 / Motorized compatible with existing RMU FBX-E 12-21 183880 CCT2 with bus coupling kit	ERP_NEW_0313	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
5	5	11 Kv,2C1T RMU, Make : Snider,FBX/12-20/+CCT2 , Motorized, with bus coupling kit	ERP_NEW_0312	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
6	6	11 Kv, 2C1T RMU, Make : Snider,FBX/12-20/M+CCCT2 , Motorized with bus coupling kit	ERP_NEW_0311	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
7	7	11 Kv,3C1T RMU, Make : Snider FBX/12-20/CCCT2 / Motorized / Motorized with bus coupling kit	ERP_NEW_0315	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
8	8	11 Kv,3C1T RMU, Make : Snider FBX/12-20/M+CCCT2 / Motorized with bus coupling kit	ERP_NEW_0314	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
9	9	11kV 630 A 1 LBS and 1 CB	ERP_NEW_0126	set	14	0	14	150000	2100000	Rate Contract	(Distribution Central) Ernakulam
10	10	11 Kv,BC RMU, Make : Snider, Bus coupler compatible with existing RMU FBX-E 12-21 155995 M+CCT2 with bus coupling kit	ERP_NEW_0316	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
11	11	11kV Bushing for RMU - Sabre Make-Lucy Electric Sabre.	084000001100048	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
12	12	11 Kv,CC RMU, Make : Snider, gCCg,compatible with existing RMU FBX-E 12-21 155995 M+CCT2 with bus coupling kit	ERP_NEW_0317	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	13	11 kv RMUboth side extensible outdoor Motorised RT2Make : Snider	ERP_NEW_0324	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	14	11 Kv, RMU bus coupling kit, Make : C-Sec, AGCSTCO 000339-01 (Extensibility kit/33111831-01)	ERP_NEW_0707	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	15	AB 3 CARD For C Function for schneider RMU	ERP_NEW_0325	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	16	AB 3 CARD For T2 Function for schneider RMU	ERP_NEW_0326	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	17	Auxiliary Transformer -1 Phase -750 VA - 11kV/230 V - Dry Type-Resin Cast-Air Natural Cooling-For Seimens RMU	ERP_NEW_0793	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	18	BACK PLATE FOR AB SWITCH	087301150000000	each	0	2146	2146	709	1521514	Single Part Tender, Two Part Tender	(Distribution Central) Ernakulam
	19	Battery Charger 10A/6K,for schneider RMU	ERP_NEW_0328	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	20	Battery Charger- 24V, 7.5A -For RMU	ERP_NEW_0866	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	21	Closing Coil (Y 9) Coil 24 V-Seimens RMU	ERP_NEW_0787	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	22	C Mechanism,for schneider RMU	ERP_NEW_0330	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	23	Door Hinges- Seimens RMU	ERP_NEW_0790	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	24	Tripping Coil (Y 6)-Seimens RMU	ERP_NEW_0788	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	25	Voltage Presence indicator System (VPIS), for schneider RMU	ERP_NEW_0336	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	26	VPIS -Seimens RMU	ERP_NEW_0783	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	27	Earth Switch Limit switch, for schneider RMU	ERP_NEW_0338	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	28	Fault Pass Indicator (FPI) ,for schneider RMU	ERP_NEW_0332	Number	0	1	1	11781	11781	Rate Contract	(Distribution Central) Ernakulam
	29	FEMALE CONTACT FOR AB SWITCH 11KV 400A	086701147020000	each	0	3797	3797	478	1814966	Rate Contract	(Distribution Central) Ernakulam
	30	FEMALE CONTACT FOR AB SWITCH 22KV 400A	086702247020000	each	0	110	110	533	58630	Rate Contract	(Distribution Central) Ernakulam
	31	FLEXIBLE BELT FOR AB SWITCH COPPER 11 kV 400 A	086601147000000	each	0	2274	2274	510	1159740	Rate Contract	(Distribution Central) Ernakulam
	32	FLEXIBLE BELT FOR AB SWITCH COPPER 22 kV 200 A	086602239000000	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	33	FPI Battery , for schneider RMU	ERP_NEW_0333	Number	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	34	FPI for ABB RMU	ERP_NEW_0928	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	35	FPI -Seimens RMU	ERP_NEW_0789	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	36	HANDLE FOR AB SWITCH	087440000000000	each	0	76	76	1002	76152	Rate Contract	(Distribution Central) Ernakulam
	37	Heat Shrinkable Tube for RMU termination kit - 40 cm/16 mm - Sabre Make	084000000401619	meter	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	38	HRC Fuse -HT-3.15 A -Seimens RMU	ERP_NEW_0792	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	39	HT Fuse AVT Type 11kV 3.5 A For RMU	ERP_NEW_0440	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	40	LBS Limit switch, for schneider RMU	ERP_NEW_0339	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	41	Lead Acid Battery 26Ah,12V,for schneider RMU	ERP_NEW_0331	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	42	L Feeder Drive - Siemens RMU	ERP_NEW_0785	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	43	L Feeder Motor Assembly - Siemens RMU	ERP_NEW_0780	set	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	44	Limit Switch (Cable Compartment or Shutter) 1 No. + I NC -Seimens RMU	ERP_NEW_0784	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	45	MALE CONTACT FOR AB SWITCH 11KV 400A	086701147010000	each	0	3068	3068	478	1466504	Single Part Tender, Two Part Tender	(Distribution Central) Ernakulam
	46	MALE CONTACT FOR AB SWITCH 22KV 400A	086702247010000	each	0	19	19	533	10127	Rate Contract	(Distribution Central) Ernakulam
	47	MALE CONTACT FOR AB SWITCH 33KV 400A	867033470300000	each	0	5	5	779	3895	Rate Contract	(Distribution Central) Ernakulam
	48	MALE & FEMALE CONTACT SET FOR AB SWITCH 11 kv 400 A	086701147000000	set	0	1470	1470	956	1405320	Rate Contract	(Distribution Central) Ernakulam
	49	MCB - 3A, 2 Pole - For RMU	ERP_NEW_0867	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	50	Post insulator Composit Polymeric 11kV for AB Switch	086901100000100	each	0	50	50	342	17100	Rate Contract	(Distribution Central) Ernakulam
	51	Relay Battery, for schneider RMU	ERP_NEW_0337	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	52	R Feeder Drive - Siemens RMU	ERP_NEW_0786	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	53	R Feeder Motor Assembly - Siemens RMU	ERP_NEW_0781	set	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	54	RMU 11 kV,1C 630A, TYPE: MCR : +S+ WITH JB M+DA	ERP_NEW_0308	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	55	RMU 11 Kv,1c, 630A, TYPE: SABRE: LBS BUS COUPLER WITH JB +M+DA	ERP_NEW_0302	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	56	RMU 11 kV,1C ,630A, TYPE: SABRE: SSE WITH JB +M+DA	ERP_NEW_0303	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	57	RMU 11 kV,1T 630A, TYPE: MCR: +V+ WITH JB , M+DA	ERP_NEW_0307	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	58	RMU 11 kV,1T ,630A, TYPE: SABRE: VCE WITH JB +DA+M	ERP_NEW_0304	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	59	RMU 11 kV, 2C1T 630A, TYPE: MCR: +SSV+ +M+DA	ERP_NEW_0306	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	60	RMU 11 kV,2C ,630A, TYPE: SABRE: DSE +M+ DA	ERP_NEW_0301	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	61	RMU 11 Kv,3C1T, 630A, TYPE: MCR: +SSSV+ +M+DA	ERP_NEW_0305	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	62	RMU 11 kV,3C ,630A, TYPE: SABRE: TSE +M+ DA	ERP_NEW_0300	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	63	RMU 11 Kv,3c, 630A, TYPE: SABRE: VRE +M+ DA	ERP_NEW_0299	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	64	RMU11kV630A 1 LBS Both side extensible - Add On( Add On C/Add On R)	ERP_NEW_0874	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam



	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	65	RMU11kV630A 1 VCB Both side extensible - Add On( Add On V/Add On L)	ERP_NEW_0875	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	66	RMU11kV630A 2 LBS and 1 VCB -SCADA Compatible ( CCV/RRL)	ERP_NEW_0872	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	67	RMU11kV630A 2 LBS and 1 VCB With Metering Cubicle -SCADA Compatible ( CCV+M)/RRL+M)	ERP_NEW_0873	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	68	RMU11kV630A 2LBS and 2 VCB With Metering Cubicle -SCADA Compatible ( CCVV+M)/RRL+M)	ERP_NEW_0890	Number	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	69	RMU 11kV 630 A 2 LBS (C2)- (CC) or (RR)	090401163020000	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	70	RMU 11kV 630 A 4 LBS and 1 CB (C4T1) - (CCCCV) or (RRRRL)	090401163041000	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	71	RMU 11kV 630 A 4 LBS (C4)- (CCCC) or (RRRR)	090401163040000	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	72	RMU 11kV 630 A Bus Bar Coupling Kit	090401103000005	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	73	RMU 11kV 630 A Bus Couplor (B/C) or (S)	090401112000000	each	2	0	2	205000	410000	Rate Contract	(Distribution Central) Ernakulam
	74	RMU 11kV 630 A CCC(E) -(CCC+) or (RRR+)	090401104000000	each	76	0	76	267337	20317612	Rate Contract	(Distribution Central) Ernakulam
	75	RMU 11kV 630 A CCTC(RRLR or CCVC)	090463011000100	each	0	0	0			0 Rate Contract	(Distribution Central) Ernakulam
	76	RMU 11kV 630 A C(E) + DA-(C+DA) or (R+DA)	090401108000000	each	41	0	41	202000	8282000	Rate Contract	(Distribution Central) Ernakulam
	77	RMU 11kV 630 A CTC(E) + DA-(CCV+ +DA) or (RRL + +DA)	090401106000000	each	62	0	62	322511	19995682	Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	78	RMU 11kV 630 A CTC(E) + DA+ M-(CCV+ +DA+M) or (RRL + +DA+ M)	090401107000000	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	79	RMU 11kV 630 A ,Mototorised , Add On Type With 1 LBS-Make:C-Sec	ERP_NEW_0802	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	80	RMU 11kV 630 A ,Mototorised , Add On Type With 1 VCB (Add onV/L) -Make:C-Sec	ERP_NEW_0803	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	81	RMU 11kV 630 A ,Mototorised , SCADA Compatiable with Auxilary Supply Unit With 2 LBS+1VCB (CCV/ RRL)-Make:C-Sec	ERP_NEW_0799	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	82	RMU 11kV 630 A ,Mototorised , SCADA Compatiable with Auxilary Supply Unit With 2 LBS+2 VCB (CCV+V)-Make:C-Sec	ERP_NEW_0801	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	83	RMU 11kV 630 A ,Mototorised , SCADA Compatiable with Auxilary Supply Unit With 3 LBS (CCC/ RRR)-Make:C-Sec	ERP_NEW_0800	set	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	84	RMU 11kV 630 A with CCCC(E)	ERP_NEW_0521	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	85	RMU 11kV 630 A with CCTT(E)	ERP_NEW_0522	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	86	RMU BATTERY CHARGER 24V DC 10A	084000000024100	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	87	RMU CCCT(E), DA COmpatible plus metering	090401103000113	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	88	Self powered numerical relay for RMUs	ERP_NEW_0702	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	89	Shock Absorber-Seimens RMU	ERP_NEW_0791	each	0	0	0		0	Rate Contract	(Distribution Central) Ernakulam
	90	SQUARE ROD CLAMP FOR AB SWITCH	873001140060001	each	0	122	122	254	30988	Rate Contract	(Distribution Central) Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
	91	SUPPORT INSULATOR FOR AB SWITCH 11 kV	086901100000000	each	0	294	294	468	137592	Rate Contract	(Distribution Central) Ernakulam
	92	T2 Mechanism,for schneider RMU	ERP_NEW_0329	Number	0	0	0	62837	0	Rate Contract	(Distribution Central) Ernakulam
									58819603		
	93	Poly Carbonate Seal	041500000020000	each	931052	178228	1109280	4	4437120	Single Part Tender, Two Part Tender	Chief Engineer (Distribution North Malabar) Kannur
	94	BOLT and NUT GI FT 90mmx16mm (3.5'x5/8')	ERP_NEW_1404	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	95	BOLT and NUT GI HT 152mmx20mm (6'x3/4')	ERP_NEW_1405	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	96	BOLT and NUT GI HT 30mmx16mm (1 1/5'x5/8')	ERP_NEW_1406	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	97	BOLT and NUT GI HT 45mmx20mm (1 3/4'x3/4')	ERP_NEW_1407	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	98	BOLT and NUT GI HT 50mmx20mm (2'x3/4')	ERP_NEW_1410	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	99	BOLT and NUT GI HT 55mmx20mm (2 1/4 'x3/4')	ERP_NEW_1408	Number	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	100	BOLT and NUT SS 12mmx10mm ( 1/2 'x3/8')WITH DOUBLE WASHER	ERP_NEW_1412	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
	101	BOLT and NUT SS 20mmx10mm ( 3/4 'x3/8')WITH DOUBLE WASHER	ERP_NEW_1409	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
102	10	BOLT and NUT SS 32mmx6mm (1 1/4 'x1/4') WITH DOUBLE WASHER	ERP_NEW_1411	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
103	11	BOLT and NUT SS 32mmx8mm ( 1 1/4 'x5/16') WITH DOUBLE WASHER	ERP_NEW_1414	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
104	12	BOLT & NUT GI (14 x 3/4)	160135020000000	kilogram	0	137	137	90	12330	Rate Contract	(Distribution North Malabar) Kannur
105	13	BOLT & NUT GI 35 mm x 16mm (1 1/4 x 5/8)	160103516000000	kilogram	0	1	1	90	90	Rate Contract	(Distribution North Malabar) Kannur
106	14	BOLT & NUT GI 45mm x 16mm (1 3/4 x 5/8)	160104516000000	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
107	15	BOLT & NUT GI 50mm x 16mm (2 x 5/8)	160105016000000	kilogram	0	38	38	90	3420	Rate Contract	(Distribution North Malabar) Kannur
108	16	Bolt & Nut GI FT M 12 x 150 (6"x 1/2")	120150000016001	kilogram	13150	6397	19547	90	1759230	Rate Contract	(Distribution North Malabar) Kannur
109	17	Bolt& Nut GI FT M 12 x 50 (2"x 1/2")	160120000012501	kilogram	0	228	228	90	20520	Rate Contract	(Distribution North Malabar) Kannur
110	18	Bolt& Nut GI FT M 12 x 65 (2 1/2"x 1/2")	160206512126300	kilogram	0	191	191	90	17190	Rate Contract	(Distribution North Malabar) Kannur
111	19	Bolt& Nut GI FT M 12 x 75 (3"x 1/2")	160206512750000	kilogram	0	94	94	90	8460	Rate Contract	(Distribution North Malabar) Kannur
112	20	Bolt& Nut GI FT M 16 x 75	160150000016001	kilogram	10114	1458	11572	90	1041480	Rate Contract	(Distribution North Malabar) Kannur
113	21	BOLT & NUT GI HT 300mm x 19mm	160190000030001	kilogram	5860	299	6159	90	554310	Rate Contract	(Distribution North Malabar) Kannur
114	22	Bolt& Nut GI M 16 x 250 (9 3/4"x5/8")	160125016010000	kilogram	0	23	23	90	2070	Rate Contract	(Distribution North Malabar) Kannur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
115	23	Bolt & Nut GI M 16 x 355 (14"x 5/8")	160135616000000	kilogram	0	7	7	90	630	Rate Contract	(Distribution North Malabar) Kannur
116	24	Bolt & Nut GI M 16 x 40 (1 1/2"x 5/8")	160104016000001	kilogram	1028	202	1230	115	141450	Rate Contract	(Distribution North Malabar) Kannur
117	25	Bolt & Nut GI M 16 x 55 (2 1/4"x 5/8")	160116055000000	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
118	26	Bolt & Nut GI M 20 x 200 (7 3/4"x 3/4")	160106512202000	kilogram	0	22	22	142	3124	Rate Contract	(Distribution North Malabar) Kannur
119	27	Bolt & Nut GI M 20 x 250 (9 3/4"x 3/4")	160125000019001	kilogram	53499	2236	55735	90	5016150	Rate Contract	(Distribution North Malabar) Kannur
120	28	Bolt & Nut GI M 20 x 255 (10"x 3/4")	160125420000000	kilogram	0	1324	1324	90	119160	Rate Contract	(Distribution North Malabar) Kannur
121	29	BOLT & NUT M10 x 25mm WITH 2 PLATE & 1 SPRING WASHER GI (1 x 3/8)	160101025000000	kilogram	0	1	1	153	153	Rate Contract	(Distribution North Malabar) Kannur
122	30	LT Shackle Insulator Hardware GI (GI strap with B & N)	093270110000001	set	28540	14500	43040	57	2453280	Rate Contract	(Distribution North Malabar) Kannur
123	31	Thimble GI 75 mm x 22 mm x 40 mm ,1.5 mm Thickness (For HT and LT)	094400001000000	each	333602	20014	353616	13	4597008	Single Part Tender, Two Part Tender	Chief Engineer (Distribution North Malabar) Kannur
124	32	Bolt & Nut Brass M10 x 30 (1 1/4"x 3/8")	160302010000000	kilogram	0	151	151	1014	153114	Rate Contract	(Distribution North Malabar) Kannur
125	33	Bolt & Nut Brass M 12 x 50 (2"x 1/2")	160105012000000	kilogram	0	370	370	128	47360	Rate Contract	(Distribution North Malabar) Kannur
126	34	Bolt & Nut Brass with 2 plate washers - M 10 x 25 (1"x 3/8")	160302510000001	kilogram	0	278	278	128	35584	Rate Contract	(Distribution North Malabar) Kannur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
127	35	Bolt& Nut Brass with 2 plate washers - M 10 x 40 (1 1/2"x 3/8")	160304010000001	kilogram	0	673	673	150	100950	Rate Contract	(Distribution North Malabar) Kannur
128	36	Bolt& Nut GI FT M 10 x 40 (1 1/2"x 3/8")	160106510400000	kilogram	0	18	18	90	1620	Rate Contract	(Distribution North Malabar) Kannur
129	37	Bolt& Nut GI FT M 12 x 100 (4"x 1/2")	160206512121000	kilogram	0	796	796	90	71640	Rate Contract	(Distribution North Malabar) Kannur
130	38	Bolt& Nut GI FT M 12 x 125 (5"x 1/2")	160206512125000	kilogram	0	191	191	90	17190	Rate Contract	(Distribution North Malabar) Kannur
131	39	Bolt& Nut GI FT M 12 x 200 (8"x 1/2")	160206512122000	kilogram	0	349	349	90	31410	Rate Contract	(Distribution North Malabar) Kannur
132	40	Bolt& Nut GI FT M 16 x 100 (4"x5/8")	160110016000001	kilogram	0	125	125	90	11250	Rate Contract	(Distribution North Malabar) Kannur
133	41	Bolt& Nut GI FT M 16 x 150 (6"x 5/8")	160150000016002	kilogram	0	97	97	90	8730	Rate Contract	(Distribution North Malabar) Kannur
134	42	BOLT & NUT GI HT 225mm x 19mm	160120000019002	kilogram	0	2	2	86	172	Rate Contract	(Distribution North Malabar) Kannur
135	43	Bolt & Nut GI M 10 x 25 (1"x 3/8")	160102501000000	kilogram	5	25	30	90	2700	Rate Contract	(Distribution North Malabar) Kannur
136	44	Bolt& Nut GI M 16 x 200 mm FT	160206516200000	kilogram	0	16	16	90	1440	Rate Contract	(Distribution North Malabar) Kannur
137	45	Bolt& Nut GI M 16 x 305(12"x 5/8")	160130516000000	kilogram	0	90	90	90	8100	Rate Contract	(Distribution North Malabar) Kannur
138	46	Bolt& Nut GI M 20 x 305(12"x 3/4")	160130520000000	kilogram	0	712	712	90	64080	Rate Contract	(Distribution North Malabar) Kannur
139	47	Bolt & Nut SS M 8 x 25 with Washer	ERP_NEW_1303	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
140	48	Eye Bolt GI M 16 x 450 mm	093445016000002	each	0	34	34	132	4488	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
141	49	Eye Bolt GI M20 x 450 mm	093445020000000	each	0	191	191	192	36672	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
142	50	Fuse wire 100 A	151410000000001	kilogram	0	1978	1978	767	1517126	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
143	51	Fuse Wire 10A	151401000000000	kilogram	0	142	142	535	75970	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
144	52	Fusewire 15A	151401500000000	kilogram	0	11	11	535	5885	Rate Contract	(Distribution North Malabar) Kannur
145	53	Fuse Wire 200A	151420000000000	kilogram	52	4769	4821	795	3832695	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
146	54	Fuse Wire 20 A	151402000000000	kilogram	0	12	12	535	6420	Rate Contract	(Distribution North Malabar) Kannur
147	55	Fuse Wire 25 A	151402500000000	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
148	56	Fuse wire 300 A	151430000000000	kilogram	0	631	631	689	434759	Single Part Tender, Two Part Tender	Chief Engineer (Distribution North Malabar) Kannur
149	57	Fuse wire 30 A	151403000000000	kilogram	0	1	1	535	535	Rate Contract	(Distribution North Malabar) Kannur
150	58	Fuse Wire 35 A	151403500000000	kilogram	0	0	0		0	Rate Contract	(Distribution North Malabar) Kannur
151	59	Fuse wire 5 A	151400500000000	kilogram	0	184	184	535	98440	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
152	60	Fuse Wire 63 A	151406300000000	kilogram	0	83	83	535	44405	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
153	61	Hardware Fittings 11kV B&S Type	069801100000000	each	43440	13524	56964	249	14184036	Single Part Tender, Two Part Tender	(Distribution North Malabar) Kannur
154	62	Hardware Fittings 11kV T&C Type	ERP_NEW_0118	set	0	839	839	333	279387	Rate Contract	(Distribution North Malabar) Kannur
									41263333		
155	1	Cable End Termination Kit 11 kV XLPE 3c x 120 Sq.mm -Heat Shrinkable (In door)	053812000030000	each	0	6	6	2000	12000	Rate Contract	Chief Engineer (Distribution South) Tvpm
156	2	Cable End Termination Kit 11 kV XLPE 3c x 120 Sq.mm -Heat Shrinkable (Outdoor)	053912000030000	each	0	22	22	5300	116600	Rate Contract	Chief Engineer (Distribution South) Tvpm
157	3	Cable End Termination Kit 11 kV XLPE 3c x 150 Sq.mm -Heat Shrinkable (In door)	053815000030000	each	0	0	0		0	Rate Contract	Chief Engineer (Distribution South) Tvpm
158	4	Cable End Termination Kit 11 kV XLPE 3c x 150 Sq.mm -Heat Shrinkable (Outdoor)	053915000030000	each	0	24	24	5300	127200	Rate Contract	Chief Engineer (Distribution South) Tvpm
159	5	Cable End Termination Kit 11 kV XLPE 3c x 240 Sq.mm -Heat Shrinkable (Outdoor)	053924000030000	each	0	0	0		0	Rate Contract	Chief Engineer (Distribution South) Tvpm
160	6	Cable End Termination Kit 22 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	053922033000000	each	0	0	0		0	Rate Contract	Chief Engineer (Distribution South) Tvpm
161	7	Cable End Termination Kit 33 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	053930022030000	each	0	0	0		0	Rate Contract	Chief Engineer (Distribution South) Tvpm
162	8	Cable Straight Joint Kit 11 kV XLPE 3c x 120 Sq.mm -Heat Shrinkable (Outdoor)	054001200030000	each	0	16	16	4730	75680	Rate Contract	Chief Engineer (Distribution South) Tvpm
163	9	Cable Straight Joint Kit 11 kV XLPE 3c x 150 Sq.mm -Heat Shrinkable (Outdoor)	054015000030000	each	0	19	19	4730	89870	Rate Contract	Chief Engineer (Distribution South) Tvpm



	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
164	10	Cable Straight Joint Kit 11 kV XLPE 3c x 240 Sq.mm -Heat Shrinkable (Outdoor)	054024000030000	each	0	0	0	4730	0	Rate Contract	Chief Engineer (Distribution South) Tvpm
165	11	CABLE STRAIGHT JOINT KIT 11kV XLPE 3X300 Sq mm(Shear Bolt type)	054030001130001	each	0	0	0	23128	0	Rate Contract	Chief Engineer (Distribution South) Tvpm
166	12	Cable Straight Joint Kit 33 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	054030022030000	each	0	2	2	15600	31200	Rate Contract	Chief Engineer (Distribution South) Tvpm
167	13	DISTRIBUTION BOX 415 V 200 A 2 WAY WITH INCOMER ISOLATOR & 125A SP MCCB	097720020000000	each	7	2	9	60685	546165	Rate Contract	Chief Engineer (Distribution South) Tvpm
168	14	Distribution Box LT Outdoor 2 Way 100 A(With MCCBs) SMC	097741526300000	each	8	0	8	34196	273568	Rate Contract	Chief Engineer (Distribution South) Tvpm
169	15	A-With Aluminium Main Busbar 40 x10 mm and Aluminium Inter connecting Bus bar 25x10 mm (Including 6 Nos 200 A Kit Kat Fuse	ERP_NEW_0704	each	0	7	7	29800	208600	Rate Contract	Chief Engineer (Distribution South) Tvpm
170	16	A-With Aluminium Main Busbar 40 x10 mm and Aluminium Inter connecting Bus bar 25x10 mm (Without Fuse Unit) Stainless Steel Sheet	ERP_NEW_0828	each	0	2	2	21999	43998	Rate Contract	Chief Engineer (Distribution South) Tvpm
171	17	Distribution Box LT Outdoor 3 Way 200 A(With 200 A SP MCCBs) and Isolator SMC	097720030000000	each	0	0	0		0	Rate Contract	Chief Engineer (Distribution South) Tvpm
172	18	Distribution Box LT Outdoor 3 Way 200 A(With MCCBs) SMC	097741531000000	each	161	4	165	39530	6522450	Rate Contract	Chief Engineer (Distribution South) Tvpm
173	19	Earth Clamp GI 40 mm Dia	095500025060000	each	454	64	518	60	31080	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
174	20	Earth Connector 95 Sqmm	098600000950001	each	8565	1088	9653	89	859117	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
175	21	Earthing Coil-GI - 115 Turns - 50 mm internal Dia (Free end GI Wire length 13 mt)	ERP_NEW_0765	each	0	145	145	367	53215	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
176	22	Earth Knob (Aluminium) for LT Line	091600001000000	each	11396	318	11714	104	1218256	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
177	23	GI Wire 11 SWG	095201100000000	kilogram	0	320	320	69	22080	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
178	24	G.I.WIRE. 4MM (8 SWG)	093270800000000	kilogram	185302	19949	205251	64	13136064	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
179	25	GI Wire 4 SWG	095200400000000	kilogram	0	2417	2417	69	166773	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
180	26	GI Wire 6 SWG	095200600000000	kilogram	0	4261	4261	69	294009	Single Part Tender, Two Part Tender	Chief Engineer (Distribution South) Tvpm
181	27	GI Wire 9 SWG (3.65 mm dia)-For WP support	093270900000000	kilogram	207990	13168	221158	72	15923376	Rate Contract	Chief Engineer (Distribution South) Tvpm
182	28	Meter Box For Distribution Transformer With Clamps (FRP)	042206040200000	each	1160	6	1166	2953	3443198	Rate Contract	Chief Engineer (Distribution South) Tvpm
183	29	Silica gel breather for Distribution Transformer 250g	083425000000001	each	0	2966	2966	224	664384	Rate Contract	Chief Engineer (Distribution South) Tvpm
184	30	Silica gel breather for Distribution Transformer 500 g	083450000000001	each	0	540	540	335	180900	Rate Contract	Chief Engineer (Distribution South) Tvpm
									44039783		
185	1	CT RESIN CAST 0.415KV 10VA Class 0.5 100/5A	040600133012403	each	0	5	5	100	500	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
186	2	CT RESIN CAST 0.415KV 10VA Class 0.5 200/5A	040600137012403	each	4728	70	4798	100	479800	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
187	3	CT RESIN CAST 0.415KV 15VA Class 0.5 100/5A	040600133012303	each	224	76	300	1122	336600	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
188	4	CT RESIN CAST 0.415KV 15VA Class 0.5 300/5A	040600143012303	each	40	23	63	452	28476	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
189	5	CT RESIN CAST 0.415kV 15VA Class 0.5 500/5A	040600149012303	each	36	10	46	914	42044	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
190	6	CT RESIN CAST 0.415kV 15VA Class 0.5 800/5A	040600153012303	each	0	1	1	1081	1081	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
191	7	CT RESIN CAST 0.415kV 5VA Class 0.2S 100/5A	ERP_NEW_0444	each	0	0	0		0	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
192	8	CT RESIN CAST 0.415KV 5VA Class 0.5 100/5A	040600133012503	each	551	398	949	768	728832	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
193	9	CT RESIN CAST 0.415kV 5VA Class 0.5S 100/5A	040600133012603	each	0	178	178	1062	189036	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
194	10	CT RESIN CAST 0.415kV 5VA Class 0.5S 150/5A	040600134012504	each	60	119	179	781	139799	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
195	11	CT RESIN CAST 0.415kV 5VA Class 0.5S 200/5A	406001370125032	each	0	61	61	608	37088	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
196	12	CT RESIN CAST 0.415kV 5VA Class 0.5S 300/5A	040600143012603	each	0	19	19	360	6840	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
197	13	CT RESIN CAST 0.415kV 5VA Class 0.5S 400/5A	406001470125004	each	0	1	1	796	796	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
198	14	CT RESIN CAST 0.415kV 5VA Class 0.5S 500/5A	406000590123003	each	0	0	0		0	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
199	15	Air Break Switch (AB Switch) 22 kV 400 A , Composite Polymer Housing (Double Break)	090322400010000	each	1	0	1	23895	23895	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode
200	16	Fault Pass Indicator with Communication Facility 11kV (CFPD)	145201000100000	each	593	61	654	12029	7866966	Manufacturing	(Distribution North) Kozhikode

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintenance Quantity	Total Quantity	AIR	Amount	Procurement Mode	Point of Procurement
201	17	Fault Pass Indicator with Communication Facility 33 kV (CFPD)	145201000330000	set	0	1	1	13530	13530	Manufacturing	(Distribution North) Kozhikode
202	18	Pin Insulator 22 kV Composite Polymeric	090200022000000	each	28	44	72	395	28440	Single Part Tender, Two Part Tender	(Distribution North) Kozhikode

9923723

**Total**

**154046442**

**Rounded to Rs.154046442/- (Rupees Fifteen crore forty lakhs forty six thousand four hundred and forty two only)**

sd/-  
**Chief Engineer (P&SCM)**

## Annexure ID

## Distribution Procurement Plan for Financial Year 2024-25 ( Deputy Chief Engineers )

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
1	1	10 SQ.MM S/C FLEXIBLE COPPER WIRE	160110018000008	meter	0	223	223	3	669	Rate Contract	Electrical Circle (Rural) Kattakada
2	2	Auxiliary Transformer -2 Phase -750 VA - 11kV/230 V - Dry Type-Resin Cast-Air Natural Cooling.	ERP_NEW_0769	each	0	0	0	0	0	Rate Contract	Electrical Circle (Rural) Kattakada
3	3	TRANSFORMER 230/13V, 2A	156901110000006	each	0	0	0	0	0	Rate Contract	Electrical Circle (Rural) Kattakada
									669		
4	1	LT Brass rod only (M12) for 11KV/433v distribution transformer(upto 160KVA)	ERP_NEW_0671	each	0	7	7	838	5866	Rate Contract	Electrical Circle (Urban)Thiruvananthapuram
5	2	LT Brass rod only (M20) for 11KV/433v distribution transformer(250KVA)	ERP_NEW_0674	each	0	0	0	0	0	Rate Contract	Electrical Circle (Urban)Thiruvananthapuram
6	3	LT Brass rod only (M30) for 11KV/433v distribution transformer(315 and 500KVA)	ERP_NEW_0675	each	0	0	0	0	0	Rate Contract	Electrical Circle (Urban)Thiruvananthapuram
7	4	LT BRASS STRIP FOR TRANSFORMER(40 mmx 6 mm)	083301212000005	each	0	570	570	224	127680	Rate Contract	Electrical Circle (Urban)Thiruvananthapuram
8	5	LT Bushings for 500KVA Transformers	ERP_NEW_0596	each	0	1	1	325	325	Rate Contract	(Urban)Thiruvananthapuram
9	6	LT bushings (inner & outer) 1000v (upto 250 KVA Transformer relevant to IS 7421-1989	ERP_NEW_0595	each	0	7	7	90	630	Rate Contract	(Urban)Thiruvananthapuram
10	7	LT PORCELAIN BUSH 100kVA	083910000000000	each	0	29	29	140	4060	Rate Contract	(Urban)Thiruvananthapuram
11	8	LT ROD ASSEMBLY FOR 100/160 KVA TRANSFORMER	083916000000004	each	0	308	308	200	61600	Rate Contract	(Urban)Thiruvananthapuram
12	9	LT ROD ASSEMBLY FOR 250 KVA TRANSFORMER	083916000000005	each	0	8	8	899	7192	Rate Contract	(Urban)Thiruvananthapuram
13	10	LT SEALING WASHER 11kV/250 A -FOR 100 KVA TRANSFORMER	ERP_NEW_0735	each	0	36	36	10	360	Rate Contract	(Urban)Thiruvananthapuram
14	11	LT SEALING WASHER 11kV/250 A -FOR 250 KVA TRANSFORMER	ERP_NEW_0736	each	0	0	0	0	0	Rate Contract	(Urban)Thiruvananthapuram
15	12	LT Transformer Bush Bolt & Nut Washer set	160100010011001	each	0	67	67	472	31624	Rate Contract	(Urban)Thiruvananthapuram
16	13	Pressboard 1 mm thick ( grade SL 2.4)	083700100000000	kilogram	0	0	0	0	0	Rate Contract	(Urban)Thiruvananthapuram

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
17	14	Pressboard 3 mm thick (grade SL 2.4)	0837003000000000	kilogram	0	0	0	0	0	Rate Contract	(Urban)Thiruvananthapuram
18	15	Sealing washer LT for 500 kVA	ERP_NEW_0621	each	0	0	0	0	0	Rate Contract	(Urban)Thiruvananthapuram
19	16	Transformer Bushings LT 1kVA to 160 kVA	0824160000000000	each	0	12	12	60	720	Rate Contract	(Urban)Thiruvananthapuram
20	17	Transformer Bushings LT 1kVA to 250 kVA	0824250000000000	each	0	1	1	160	160	Rate Contract	(Urban)Thiruvananthapuram
									<b>240217</b>		
21	1	ALCO Sheet (300x100x1 mm)	0810000000000000	each	0	92	92	100	9200	Rate Contract	Electrical Circle Alappuzha
22	2	ALCO SHEET(300 X 600 X 2 mm)	ERP_NEW_0706	each	0	13	13	1538	19994	Rate Contract	Electrical Circle Alappuzha
23	3	ALCO Washer M 10 ( 3/8")	ERP_NEW_0726	each	0	304	304	13	3952	Rate Contract	Electrical Circle Alappuzha
24	4	ALCO Washer M 12 ( 1/2")	ERP_NEW_0724	each	0	252	252	12	3024	Rate Contract	Electrical Circle Alappuzha
25	5	Danger Board 200 x 150 mm (415 V)	ERP_NEW_0123	set	0	0	0	0	0	Single Part Tender, Two Part Tender	Electrical Circle Alappuzha
26	6	Danger Board 250 x 200 mm (11000 V)	ERP_NEW_0294	each	66	18	84	92	7728	Single Part Tender, Two Part Tender	Electrical Circle Alappuzha
27	7	Transformer Station Name Board - ACP- of Size 400 x 300 mm ,Thickness 4 mm	ERP_NEW_0901	Number	0	37	37	340	12580	Rate Contract	Electrical Circle Alappuzha
									<b>56478</b>		
28	1	DPC Aluminium Strip 10.5x4.5 mm(10.86x4.86)	0835486000000020	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
29	2	DPC Aluminium Strip 10x4.5mm(10.36x4.86)	0835486000000010	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
30	3	DPC Aluminium Strip 10 x 5 mm	ERP_NEW_0887	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
31	4	DPC Aluminium Strip 11.6 X 3.5 mm	ERP_NEW_0886	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
32	5	DPC Aluminium Strip 11.85 x 5.65 mm	ERP_NEW_0889	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
33	6	DPC Aluminium Strip 11.8 X 5mm(12.16X 5.36)	ERP_NEW_0692	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
34	7	DPC Aluminium Strip 11x5mm(11.366x5.36)	0835536000000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
35	8	DPC Aluminium Strip 12X5.3mm(12.36X5.66)	0835123656600000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
36	9	DPC Aluminium Strip 13.3X4.5mm(13.66X4.86)	083513664860000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
37	10	DPC Aluminium strip 5.6mm X 2.35 mm	083559627100000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
38	11	DPC Aluminium Strip 6.3 X3.35 mm	ERP_NEW_0884	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
39	12	DPC Aluminium Strip 6.3x4mm(6.66x4.36)	083543600000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
40	13	DPC Aluminium Strip 7X4.5 mm	083574500000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
41	14	DPC Aluminium Strip 8.5 X3.15 mm	ERP_NEW_0885	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
42	15	DPC Aluminium Strip 8 x 4.3 mm	ERP_NEW_0888	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
43	16	DPC Aluminium Strip 9.4X3.8mm(9.76X4.16mm)	083541600000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
44	17	DPC Aluminium Strip 9.5x4.5mm(9.86x4.86)	083548600000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
45	18	DPC Aluminium Strip 9 X4.5 mm	083594500000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
46	19	DPC Aluminium Strip 9x4mm(9.36x4.36)	083517400000100	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Ernakulam
									0		
47	1	Cable Clamp 3X300 Sq.mm with CBN -GI	051030000000000	each	0	2	2	150	300	Rate Contract	Electrical Circle Irinjalakuda
48	2	Cable Spacer 1X300 Sq.mm with CBN -XLPE	051020001000000	set	0	1462	1462	25	36550	Rate Contract	Electrical Circle Irinjalakuda
49	3	Cable Spacing Cleat	096300000000000	each	0	164	164	12	1968	Rate Contract	Electrical Circle Irinjalakuda
50	4	Cable Tray GI (Perforated) 300 x 30 x 1.6mm-2.5 mt	055525300300001	each	132	31	163	1633	266179	Rate Contract	Electrical Circle Irinjalakuda
51	5	Cable Tray GI (Perforated) 300 x 60 x 1.6mm-2.5 mt	055525300600001	meter	0	83	83	943	78269	Rate Contract	Electrical Circle Irinjalakuda
52	6	CRIMPING TOOL 10-185 sqmm	122900000000002	each	0	4	4	6089	24356	Rate Contract	Electrical Circle Irinjalakuda
53	7	CRIMPING TOOL(Hydraulic) with die upto 300sqmm	122900000000004	each	0	0	0	0	0	Rate Contract	Electrical Circle Irinjalakuda
54	8	Spacer LT 4 line Composit (For Cable Tray) With GI B&N	ERP_NEW_1174	set	0	0	0	0	0	Rate Contract	Electrical Circle Irinjalakuda
									<b>407622</b>		

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement	
	55	1	Caution Ribbon (250 m Roll)	171420020000000	meter	0	3503	3503	12	42036	Rate Contract	Electrical Circle Kalpetta
	56	2	Inter Linking Board – ACP of size 300 x 200 mm (12" x 8",Thickness 4mm)	ERP_NEW_0523	each	0	415	415	299	124085	Rate Contract	Electrical Circle Kalpetta
	57	3	ORUMA Printed Receipt Forms-(Unit of 1000 receipts)	ERP_NEW_0900	Number	0	78	78	186	14508	Single Part Tender, Two Part Tender	Electrical Circle Kalpetta
	58	4	Reflective Tape (Self adhesive Red/Yellow)	124800000000004	square foot	0	4176	4176	35	146160	Rate Contract	Electrical Circle Kalpetta
	59	5	Thermal Paper Roll - 57 x 15 (55 GSM)	ERP_NEW_0678	each	0	111731	111731	11	1229041	Rate Contract	Electrical Circle Kalpetta
	60	6	TRAFFIC CONE	124800000000001	each	0	137	137	632	86584	Rate Contract	Electrical Circle Kalpetta
										<b>1642414</b>		
	61	1	DPC Aluminium Conductor 1.1 mm	ERP_NEW_0883	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	62	2	DPC Aluminium Conductor 1.22/1.46 mm	083514600000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	63	3	DPC Aluminium Conductor 1.52 mm	ERP_NEW_0880	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	64	4	DPC ALUMINIUM CONDUCTOR 1.8/2.04 mm	052900700010000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	65	5	DPC Aluminium Conductor 1.92/2.14mm	083521400000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	66	6	DPC Aluminium Conductor 1.9 mm	ERP_NEW_0882	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	67	7	DPC Aluminium Conductor 2.5/2.74 mm	083527400000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	68	8	DPC Aluminium Conductor 2.80/3.04mm	083528030400000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	69	9	DPC Aluminium Conductor 3/3.24 mm	083532400000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	70	10	DPC Aluminium Conductor - bare -1.50/1.74 mm	083517400000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	71	11	DPC Aluminium Conductor of bare size 1.55/1.79 mm	083517900000000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	72	12	DPC Aluminium wire 2.15/2.39mm	083521523900000	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	73	13	DPC HT coil (Aluminium)	ERP_NEW_0672	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur
	74	14	DPC LT coil (Aluminium)	ERP_NEW_0673	kilogram	0	0	0	0	0	Rate Contract	Electrical Circle Kannur



	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
									0		
75	1	Cable 1.1 kV PVC AL 3.5x25 sq mm(Un Armoured)	050402501030000	meter	0	482	482	142	68444	Rate Contract	Electrical Circle Kasaragod
76	2	Cable 1.1kV PVC Cu 1c x 10 sq mm (Un Armoured)	053000000000001	meter	0	504	504	75	37800	Rate Contract	Electrical Circle Kasaragod
77	3	Cable 1.1kV PVC Cu 1c X 4 sq.mm	050500401010000	meter	0	0	0	0	0	Rate Contract	Electrical Circle Kasaragod
									<b>106244</b>		
78	1	Cable 1.1 kV XLPE AL UG 3.5 c x 25 sq mm (Armoured)	050305025040000	meter	0	11	11	179	1969	Rate Contract	Electrical Circle Kollam
79	2	Cable 1.1 kV XLPE AL UG 3.5 c x 50 sq mm (Armoured)	050305012040000	meter	0	7	7	253	1771	Rate Contract	Electrical Circle Kollam
80	3	Cable 1.1 kV XLPE AL UG 3.5 c x 70 sq mm (Armoured)	ERP_NEW_0066	meter	0	50	50	395	19750	Rate Contract	Electrical Circle Kollam
81	4	Cable 1.1 kV XLPE AL UG 3.5 c x 95 sq mm (Armoured)	050309512040000	meter	0	1238	1238	403	498914	Rate Contract	Electrical Circle Kollam
82	5	Cable 1.1KV XLPE AL UG 3.5 X120 sqmm (Armoured)	053512012030001	meter	0	275	275	590	162250	Rate Contract	Electrical Circle Kollam
83	6	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 120 Sq.mm -Heat Shrinkable (Outdoor)	053811000030000	each	0	11	11	1038	11418	Rate Contract	Electrical Circle Kollam
84	7	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 150 Sq.mm -Heat Shrinkable (Outdoor)	053811000015000	each	0	7	7	1200	8400	Rate Contract	Electrical Circle Kollam
85	8	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 185 Sq.mm -Heat Shrinkable (Outdoor)	53811000018500	each	0	5	5	2558	12790	Rate Contract	Electrical Circle Kollam
86	9	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 95 Sq.mm -Heat Shrinkable (Outdoor)	53811000009500	each	0	8	8	1374	10992	Rate Contract	Electrical Circle Kollam
									<b>728254</b>		
87	1	CONTACTOR 1PH. SUPPLY SINGLE PHASE OUTLET FOR STREET LIGHTS	073223000000000	each	0	74	74	600	44400	Rate Contract	Electrical Circle Kottarakkara
88	2	RELAY FOR STREET LIGHT CONNECTION230V WITHOUT TIMER	073123000000000	each	0	4	4	600	2400	Rate Contract	Electrical Circle Kottarakkara
89	3	Street light Automatic Control box 1 way	074001000000000	each	0	2	2	6372	12744	Rate Contract as per specific requirement	Electrical Circle Kottarakkara
90	4	Street light Automatic Control box 1way (with timer and Relay, MCB Kit Kat fuse unit)	074001000000099	each	0	30	30	6054	181620	Rate Contract	Electrical Circle Kottarakkara
91	5	TIMER RELAY FOR STREET LIGHT CONNECTION230V	073123001000000	each	0	17	17	1150	19550	Rate Contract	Electrical Circle Kottarakkara
									<b>260714</b>		

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
92	1	Mid Span Joint For ACSR Dog (Compression Type)	057700023000000	each	0	0	0	0	0	Rate Contract	Electrical Circle Kottayam
93	2	PG Clamp ACSR DOG-DOG	057800023230000	each	0	18	18	112	2016	Rate Contract	Electrical Circle Kottayam
94	3	PG Clamp ACSR RACCOON	057800024240000	each	0	674	674	22	14828	Rate Contract	Electrical Circle Kottayam
95	4	Wedge Connector for ACSR Dog	ERP_NEW_0681	each	0	0	0	0	0	Rate Contract	Electrical Circle Kottayam
96	5	Wedge Connector for ACSR Rabbit	053600027000000	each	0	164	164	142	23288	Rate Contract	Electrical Circle Kottayam
97	6	Wedge Connector for ACSR Raccoon	053600025000000	each	0	71	71	391	27761	Rate Contract	Electrical Circle Kottayam
									<b>67893</b>		
98	1	Electrical Safety Shoes (Pair)	124900000000000	set	0	2551	2551	485	1237235	Rate Contract	Electrical Circle Kozhikode
99	2	Industrial Safety Helmet	ERP_NEW_0021	Number	0	140	140	331	46340	Rate Contract	Electrical Circle Kozhikode
100	3	Rubber Hand Gloves 11kV(Pair)	124600000000000	each	0	797	797	400	318800	Rate Contract	Electrical Circle Kozhikode
101	4	Rubber Hand Gloves Class -0 ( 1000 V)-Red Colour	ERP_NEW_0720	each	0	84	84	446	37464	Rate Contract	Electrical Circle Kozhikode
102	5	SAFETY BELT	124800000000000	each	0	119	119	1632	194208	Rate Contract	Electrical Circle Kozhikode
									<b>1834047</b>		
103	1	Ferrules 5 Sq.mm(GI)	054305480000000	each	24771	1764	26535	10	265350	Rate Contract	Electrical Circle Manjeri
104	2	Ferrules GI 4 Sq.mm	054300400000000	each	0	3485	3485	13	45305	Rate Contract	Electrical Circle Manjeri
105	3	Hardware Fittings 33 kV T&C Type	ERP_NEW_0249	set	0	11	11	723	7953	Rate Contract	Electrical Circle Manjeri
106	4	Hardware Fittings-GI-for HT covered conductor 120 Sq.mm	ERP_NEW_0431	each	0	22	22	540	11880	Rate Contract	Electrical Circle Manjeri
									<b>330488</b>		
107	1	Digital Clamp Meter ,1000A, AC	ERP_NEW_0985	set	0	0	0	0	0	Rate Contract	Electrical Circle Pala
108	2	Insulation Resistance tester ( Motorised) - 1000 V	ERP_NEW_0751	each	0	18	18	4186	75348	Rate Contract	Electrical Circle Pala
109	3	INSULATION TESTER (Meggar)	123800000000000	each	0	0	0	0	0	Rate Contract	Electrical Circle Pala

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
110	4	Line Tester LT	ERP_NEW_0003	Number	0	190	190	56	10640	Rate Contract	Electrical Circle Pala
111	5	Rodo Meter	ERP_NEW_0870	Number	0	0	0	0	0	Rate Contract	Electrical Circle Pala
									<b>85988</b>		
112	1	AMPLIFIER BOX CLAMP FOR FPI	156901110000010	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
113	2	AMPLIFIER BOX WITH COVER for FPI	156901110000004	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
114	3	AMP PCB for FPI	156901110000046	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
115	4	BATTERY CLAMP FOR FPI	156901110000009	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
116	5	CONTROLLER CUBICLE CLAMP FOR FPI	156901110000012	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
117	6	CONTROLLER CUBICLE FOR FPI	156901110000011	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
118	7	FPI BATTERY 3.6V, 2700mAh	156901110362700	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
119	8	INTERCONNECTING WIRES FOR FPI	156901110000008	meter	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
120	9	Interface PCB for CFPD	156901110001200	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
121	10	Lightning Arrester 22 kV,10 KA (Station class) Composite Polymer Housing	090502200000000	each	0	2	2	1427	2854	Single Part Tender, Two Part Tender	Electrical Circle Palakkad
122	11	Low Voltage Cut off PCB for CFPD	156901110001211	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
123	12	Power PIC PCB for FPI	156901110000045	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
124	13	SENSOR CLAMP FOR FPI	156901110000014	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
125	14	SENSOR ENDCAP FOR FPI	156901110000019	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
126	15	SIM MODULE for FPI	156901110000003	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad
127	16	Stainless steel voltage sensor shield fir FPI	156901110000042	each	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Palakkad
128	17	VOLTAGE DETECTOR PCB FOR FPI	156901110000030	each	0	0	0	0	0	Manufacturing	Electrical Circle Palakkad
129	18	Voltage Sensor Probe for FPI	156901110000043	each	0	0	0	0	0	Rate Contract	Electrical Circle Palakkad

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
									2854		
130	1	30A 2Way connector (HT2 Connector)	ERP_NEW_0468	each	0	0	0	0	0	Rate Contract	Electrical Circle Pathanamthitta
131	2	Aluminium Clamp Fiber fixed with CBN For Clamping 120 Sq.mm Covered Conductor	ERP_NEW_0428	each	0	0	0	0	0	Rate Contract	Electrical Circle Pathanamthitta
132	3	Base Frame SMC for LT Section Fuse with neutral Link	094100802000000	each	2331	1298	3629	2000	7258000	Rate Contract	Electrical Circle Pathanamthitta
133	4	MCB 16A	156901110000007	each	0	0	0	0	0	Rate Contract	Electrical Circle Pathanamthitta
									7258000		
134	1	HT bushrod for 100/160 KVA transformer	083916000000000	set	0	24	24	100	2400	Rate Contract	Electrical Circle Perumbavoor
135	2	HT PORCELAIN BUSH 12kv/250kVA	083925000000000	each	0	19	19	593	11267	Rate Contract	Electrical Circle Perumbavoor
									13667		
136	1	Crimping Socket 120 Sq.mm (Aluminium) long barrel	054512000000001	each	0	10932	10932	34	371688	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
137	2	CRIMPING SOCKET 120sqmm(Heavy duty bimetallic)	054512000100001	each	0	3554	3554	212	753448	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
138	3	CRIMPING SOCKET 150sqmm(Heavy duty bimetallic)	054515000100001	each	0	1872	1872	224	419328	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
139	4	CRIMPING SOCKET 185mm (BI-METALLIC)	054518500000002	each	0	91	91	283	25753	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
140	5	Crimping Socket - 2.5 Sq.mm -Cu -Palm Type Cable Lug	ERP_NEW_0351	each	0	32	32	85	2720	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
141	6	CRIMPING SOCKET 70 sqmm (Aluminium) Long Barrel	054507000000002	each	0	221	221	68	15028	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
142	7	CRIMPING SOCKET 70 Sq.mm(Heavy duty - Aluminium)	ERP_NEW_0892	Number	0	152	152	30	4560	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
143	8	Crimping Socket -Long Barrel Type 150 Sq.mm -AL	054515000000002	each	0	11555	11555	35	404425	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
144	9	Crimping Socket -Long Barrel Type 240 Sq.mm -AL	ERP_NEW_0746	each	0	422	422	55	23210	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
145	10	Crimping Socket -Long Barrel Type 95 Sq.mm -AL	ERP_NEW_0697	each	0	3974	3974	17	67558	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
146	11	Crimping Socket Palm Type 120 Sq.mm -Al (Cable Lug)	055012000000000	each	0	10712	10712	59	632008	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
147	12	Crimping Socket Palm Type 185 Sq.mm -Al (Cable Lug)	054518500000000	each	0	9018	9018	27	243486	Single Part Tender, Two Part Tender	Electrical Circle Shoranur

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
148	13	Crimping Socket Palm Type 240 Sq.mm -Al (Cable Lug)	05452400000000	each	0	628	628	45	28260	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
149	14	Crimping Socket Palm Type 25 Sq.mm -Al (Cable Lug)	054502500000001	each	0	160	160	4	640	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
150	15	Crimping Socket Palm Type 50 Sq.mm -Al (Cable Lug)	055005000000000	each	0	379	379	37	14023	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
151	16	Crimping Socket Palm Type 70 Sq.mm -Al (Cable Lug)	054507000000000	each	0	6416	6416	30	192480	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
152	17	Crimping Socket Palm Type 95 Sq.mm -Al (Cable Lug)	054595000000000	each	1623	58098	59721	11	656931	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
153	18	Crimping Socket Palm Type 95 Sq.mm - Bimetallic (Cu & Al)(Cable Lug)	ERP_NEW_0209	Number	0	379	379	40	15160	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
154	19	Crimping Socket Ring Type 10 Sq.mm -Cu (Cable Lug)	055101000000000	each	0	175	175	22	3850	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
155	20	Crimping Socket Ring Type 2.5 Sq.mm -Cu (Cable Lug)	055100200000000	each	0	108	108	60	6480	Single Part Tender, Two Part Tender	Electrical Circle Shoranur
									<b>3881036</b>		
156	1	BRASS STRIP 140X35X4 mm	083301212000002	kilogram	0	257	257	300	77100	Rate Contract	Electrical Circle Sreekandapuram
157	2	Brass Strip 150 x 30 x 4 mm	ERP_NEW_1229	Number	0	2	2	300	600	Rate Contract	Electrical Circle Sreekandapuram
158	3	Brass Strip 150 x 38 x 6 mm	ERP_NEW_0757	kilogram	0	18	18	2600	46800	Rate Contract	Electrical Circle Sreekandapuram
159	4	BRASS STRIP 160X50X5mm	083301212000003	kilogram	0	86	86	300	25800	Rate Contract	Electrical Circle Sreekandapuram
160	5	BRASS STRIP 30x3x120mm	083301230312000	each	0	572	572	165	94380	Rate Contract	Electrical Circle Sreekandapuram
161	6	BRASS Washer 10mm	160110001035000	each	0	350	350	4	1400	Rate Contract	Electrical Circle Sreekandapuram
162	7	Chain pulley 2MT	123500002000000	each	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Sreekandapuram
163	8	Chain pulley 3MT	123500003000000	each	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Sreekandapuram
164	9	Chain pulley 5MT	123500005000000	each	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Sreekandapuram
165	10	Chain Saw	123500006000000	each	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Sreekandapuram
166	11	Insulator Tie for Covered Conductor	055324011000000	each	0	10	10	290	2900	Rate Contract	Electrical Circle Sreekandapuram
167	12	60/80/100kV,Center tap earthed), Capacity :1kVA	ERP_NEW_0795	set	0	0	0	0	0	Rate Contract as per specific requirement	Electrical Circle Sreekandapuram

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement
168	13	UG Cable Route Marker HT	055400000000000	each	240	229	469	150	70350	Rate Contract	Electrical Circle Sreekandapuram
169	14	UG Cable Route Marker LT	055500000000000	each	0	0	0	0	0	Rate Contract	Electrical Circle Sreekandapuram
									<b>319330</b>		
170	1	BATTERY 12V 100Ah TUBULAR	154901100000000	each	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
171	2	BATTERY 12V 26AH VRLA	154901226000001	each	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
172	3	BATTERY 12V 65 AH VRLA	ERP_NEW_0796	set	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
173	4	BATTERY 12V 7 AH VRLA	155511270000001	each	0	1	1	720	720	Rate Contract	Electrical Circle Thodupuzha
174	5	Coupler For HDPE Pipe 150 mm	055615000000001	each	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
175	6	Coupler For HDPE Pipe 160 mm	055616000000001	each	0	4	4	970	3880	Rate Contract	Electrical Circle Thodupuzha
176	7	Pipe HDPE 125 mm	055612500000000	meter	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
177	8	Pipe HDPE 140 mm	055614000000000	meter	0	150	150	1050	157500	Rate Contract	Electrical Circle Thodupuzha
178	9	Pipe HDPE 150 mm	055615000000000	meter	0	0	0	0	0	Rate Contract	Electrical Circle Thodupuzha
179	10	Pipe HDPE 160 mm	055616000000000	meter	0	103	103	1050	108150	Rate Contract	Electrical Circle Thodupuzha
180	11	Pipe HDPE 110 mm	055611000000000	meter	47388	216	47604	250	11901000	Rate Contract	Electrical Circle Thodupuzha
									<b>12171250</b>		
181	1	Hammer (Sledge)	ERP_NEW_0024	Number	0	161	161	257	41377	Rate Contract	Electrical Circle Tirur
182	2	Spaner Different Size	ERP_NEW_0013	set	0	62	62	423	26226	Rate Contract	Electrical Circle Tirur
									<b>67603</b>		
183	1	Pipe GI 150 mm dia	116150020000007	meter	0	0	0	0	0	Rate Contract	Electrical Circle Vadakara
184	1	FUSE LINK 200 A	151020000000000	each	0	0	0	0	0	Rate Contract	Electrical Circle,Harippad

	SI No	Material Name	Material Code	UOM	Dyuthi Quantity	Maintanance Quantity	Total Quantity	Purchase Rate	Amount	Procurement Mode	Point of Procurement	
	185	2	Fuse LT HRC 250A	151025004000000	each	0	41	41	100	4100	Rate Contract	Electrical Circle,Harippad
	186	3	FUSE LT HRC 630A	151063004000000	each	0	5	5	956	4780	Rate Contract	Electrical Circle,Harippad
	187	4	NEUTRAL LINK C&S (160A)	094300001601001	each	0	16	16	463	7408	Rate Contract	Electrical Circle,Harippad
										<b>16288</b>		
	188	1	First Aid Kit	ERP_NEW_0016	set	0	334	334	322	107548	Rate Contract	Electrical Circle,Nilambur
	189	2	Pruning blade	ERP_NEW_0009	Number	0	1	1	7398	7398	Rate Contract	Electrical Circle,Nilambur
	190	3	PRUNING ROD 5m	126405000000000	each	0	0	0	0	0	Rate Contract	Electrical Circle,Nilambur
	191	4	PRUNING ROD 6m	126406000000000	each	0	0	0	0	0	Rate Contract	Electrical Circle,Nilambur
	192	5	Pruning Saw	ERP_NEW_0687	each	0	0	0	0	0	Rate Contract	Electrical Circle,Nilambur
	193	6	REFLECTIVE JACKET (with extra wide reflective tape)	124800000000003	each	0	359	359	130	46670	Rate Contract	Electrical Circle,Nilambur
	194	7	Work Positioning Lanyard 14 mm length with manual adjustment Hook at Both Sides of length 2 meter	ERP_NEW_0745	each	0	25	25	884	22100	Rate Contract	Electrical Circle,Nilambur
										<b>183716</b>		
	195	1	Non Contact Voltage Detector-LV (0 -1.1kV)	ERP_NEW_0680	each	0	61	61	814	49654	Manufacturing	Manufacturing unit for Innovative Devices, Equipments and Accessories

**Total**

**29724426**

**Rounded to Rs. 29724426/- (Rupees Two crore ninety seven lakh twenty four thousand four hundred and twenty six only)**

sd/-  
**Chief Engineer (P&SCM)**

**Annexure-II (A)****Procurement Plan 2024-25 - Requirement of Transmission Materials**

SI No	Material Name	Unit	Quantity	AIR/Unit	Total Amount (Rs)	Procurement Authority	
1	1	11 kV LA station class	No	500	2,329.60	1164800.00	CE(P&SCM)
2	2	11 kV 10 panel set (1250 A)					CE(P&SCM)
3	a)	without bus bar protection					
4	i	7 Feeder + 2 Incomer+1 Bus Coupler	Set	26	6,221,227.03	161751902.88	CE(P&SCM)
5	ii	Feeder Panel alone	No	42	522,341.16	21938328.72	CE(P&SCM)
6	iii	Bus Coupler Panel alone	No	3	496,096.90	1488290.70	CE(P&SCM)
7	3	11 kV 10 panel set (2000 A)					
8	a)	without bus bar protection					
9	i	7 Feeder + 2 Incomer+1 Bus Coupler	Set	38	7,277,430.40	276542355.28	CE(P&SCM)
10	ii	Feeder Panel alone	No	124	576,863.51	71531074.87	CE(P&SCM)
11	iii	Incomer Panel alone	No	1	959,189.76	959189.76	CE(P&SCM)
12	iv	Bus Coupler Panel alone	No	2	716,442.49	1432884.97	CE(P&SCM)
13	4	11 kV AB switch, 630 A station class	Set	50	24,598.28	1229914.00	CE(P&SCM)
14	5	11 kV 800 A Bus isolator with structure	Set	40	44,773.82	1790952.80	CE(P&SCM)
15	6	11kV Outdoor VCB	Set	17	564,879.92	9602958.71	CE(P&SCM)
16	7	11 kV XLPE UG cable, 1x500 mm <sup>2</sup>	Km	45	888,848.40	39998178.00	CE(P&SCM)
17	8	11 kV, 100 kVA Transformer	No	10	210,560.00	2105600.00	CE(P&SCM)
18	9	11 kV, 160 kVA Transformer	No	24	303,426.00	7282224.00	CE(P&SCM)
19	10	33 kV CT 400/200/100/1-1-1A	No	50	70,564.00	3528200.00	CE(P&SCM)
20	11	33 kV CT 400/200/100/1-1-1A	No	150	76,700.00	11505000.00	CE(P&SCM)
21	12	Support structure for 33 kV CT	No	80	24,160.50	1932840.00	CE(P&SCM)
22	13	33 kV PT	No	160	41,341.30	6614608.00	CE(P&SCM)
23	14	Support structure for 33 kV PT	No	80	25,604.35	2048347.84	CE(P&SCM)



24	15	33 kV LA	No	350	9,894.30	3463005.00	CE(P&SCM)
25	16	Support structure for 33 kV LA	No	80	9,204.00	736320.00	CE(P&SCM)
26	17	33 kV Indoor 7-Panel Set (4 feeder (OG) + 2 Transformer (Secondary Side) +1 Bus Coupler)	Set	1	9,106,969.71	9106969.71	CE(P&SCM)
27	18	33 kV Indoor 6-Panel Set (2 feeder (OG)+ 1 Feeder (IC)+ 2 Transformer (Primary Side) +1 Bus Coupler)	Set	1	8,804,674.75	8804674.75	CE(P&SCM)
28	19	33 kV Indoor 5-Panel Set					
29	i	2 feeder (IC) + 2 Transformer (Primary) + 1 Bus Coupler	Set	2	8,031,340.31	16062680.62	CE(P&SCM)
30	ii	2 feeder (OG) + 2 Transformer (Secondary) + 1 Bus Coupler	Set	1	6,997,936.63	6997936.63	CE(P&SCM)
31	20	33 kV Outdoor VCB	Set	45	275,293.70	12388216.50	CE(P&SCM)
32	21	33 kV, 800 A Bus isolator with structure	Set	75	92,325.32	6924399.30	CE(P&SCM)
33	22	33 kV, 800 A Line isolator with E/S and structure	Set	25	99,745.28	2493632.05	CE(P&SCM)
34	23	33 kV Feeder C&R panel	Set	20	351,814.64	7036292.80	CE(P&SCM)
35	24	33/11 kV Transformer C&R panel	Set	10	402,436.40	4024364.00	CE(P&SCM)
36	25	33/11 kV, 5 MVA Transformer	No	25	8,083,719.63	202092990.75	CE(P&SCM)
37	26	33/11 kV, 8 MVA Transformer	No	18	10,612,401.31	191023223.58	CE(P&SCM)
38	27	33 kV XLPE UG cable, 3x300 mm <sup>2</sup>	kM	100	2,365,900.00	236590000.00	CE(P&SCM)
39	28	66 kV CT 600/300/150/75/1-1-1-1A	No	16	114,647.15	1834354.37	CE(P&SCM)
40	29	66 kV CT 400/200/100/1-1-1-1A	No	14	113,160.43	1584246.05	CE(P&SCM)
41	30	Support structure for 66 kV PT	No	12	36,261.40	435136.80	CE(P&SCM)
42	31	66 kV SF6 CB	No	7	547,943.27	3835602.86	CE(P&SCM)

43	32	66/11 kV Transformer C&R panel	Set	1	640,785.43	640785.43	CE(P&SCM)
44	33	110 kV CT, 400/200/100/1-1-1-1 A	No	100	194,958.30	19495830.20	CE(P&SCM)
45	34	110kV CT, 800/400/1-1-1-1-1 A	No	100	227,259.00	22725900.00	CE(P&SCM)
46	35	Support structure for 110 kV CT	No	150	45,365.10	6804765.00	CE(P&SCM)
47	36	110 kV PT	No	80	150,696.50	12055720.16	CE(P&SCM)
48	37	110 kV LA	No	300	42,509.50	12752850.00	CE(P&SCM)
49	38	Support structure for 110 kV LA	No	200	15,268.00	3053600.00	CE(P&SCM)
50	39	110kV SF6 CB with Support Structure	Set	50	658,344.30	32917215.10	CE(P&SCM)
51	40	110 kV, 1200 A Bus Isolator with structure	Set	70	364,738.00	25531660.00	CE(P&SCM)
52	41	110 kV, 800 A Bus Isolator with structure	Set	40	347,864.00	13914560.00	CE(P&SCM)
53	42	110 kV Feeder C&R panel					
54	a)	with line differential relays Main 1 & Main 2	Set	16	895,316.03	14325056.51	CE(P&SCM)
55	b)	with Distance Protection relays Main 1 & Main 2	Set	58	733,865.60	42564204.80	CE(P&SCM)
56	c)	with Cable Differential relays Main 1 & Main 2	Set	4	895,316.03	3581264.12	CE(P&SCM)
57	43	110/11 kV Transformer C&R panel	Set	35	686,158.20	24015537.00	CE(P&SCM)
58	44	110/11 kV, 12.5 MVA Transformer	No	15	20,996,038.63	314940579.45	CE(P&SCM)
59	45	110/11 kV, 20 MVA Transformer	No	25	27,843,891.27	696097281.75	CE(P&SCM)
60	46	110/33 kV, 16 MVA Transformer	No	6	21,409,533.05	128457198.30	CE(P&SCM)
61	47	110/33 kV, 25 MVA Transformer	No	2	36,987,774.52	73975549.04	CE(P&SCM)
62	48	220kV CT 1600/800/ 1-1-1-1-1 A	No	25	366,133.30	9153332.50	CE(P&SCM)
63	49	Support structure for 220 kV CT	No	14	43,598.27	610375.77	CE(P&SCM)
64	50	220 kV CVT	No	2	220,642.89	441285.78	CE(P&SCM)
65	51	220 kV PT	No	2	391,170.00	782340.00	CE(P&SCM)
66	52	Support structure for 220 kV PT	No	4	38,350.00	153400.00	CE(P&SCM)
67	53	220 kV LA	No	10	72,960.80	729608.00	CE(P&SCM)
68	54	220 kV SF6 CB with Support Structure	Set	6	1,563,439.70	9380638.21	CE(P&SCM)
69	55	220 kV Feeder C&R Panel					
70	a)	with Distance Protection relays Main 1 & Main 2	Set	3	1,033,532.50	3100597.50	CE(P&SCM)

71	56	220/110kV, 100 MVA Transformer (3 phase unit)	No	2	87,576,126.05	175152252.10	CE(P&SCM)
72	57	Battery Charger, 15 A	No	10	186,912.00	1869120.00	CE(P&SCM)
73	58	Battery Charger, 30 A	No	20	198,594.00	3971880.00	CE(P&SCM)
74	59	Battery, 100 AH (VRLA type)	Set	9	154,880.00	1393920.00	CE(P&SCM)
75	60	Battery, 200 AH (Tubular type)	Set	17	428,032.00	7276544.00	CE(P&SCM)
76	61	ACSR Conductor, Dog	Km	200	103,797.00	20759400.00	CE(P&SCM)
77	62	ACSR Conductor, Kundah	Km	30	317,493.73	9524811.90	CE(P&SCM)
78	63	Earth Wire, 7/3.15 mm (7/10 SWG)	Km	50	49,331.08	2466554.00	CE(P&SCM)
79	64	Composite Insulators 220 kV, 120 KN (Tension)	No	1800	4,485.72	8074287.00	CE(P&SCM)
80	65	Composite Insulators 110 kV, 90 KN (Tension)	No	5000	2,540.38	12701910.00	CE(P&SCM)
81	66	Composite Insulators 110 kV, 70 KN (Suspension)	No	1500	2,540.38	3810573.00	CE(P&SCM)
82	67	Disc Insulators, 45 KN	No	2500	196.07	490170.00	CE(P&SCM)
83	68	33 kV Polymer Pin insulator with pin	No	1500	1,139.88	1709820.00	CE(P&SCM)
84	69	Control Cable 2.5 sq.mm, 19 core	Km	30	676,456.30	20293689.00	CE(P&SCM)
85	70	Control Cable 2.5 sq.mm, 12 core	Km	60	446,096.30	26765778.00	CE(P&SCM)
86	71	Control Cable 2.5 sq.mm, 7 core	Km	10	279,341.40	2793414.00	CE(P&SCM)
87	72	Control Cable 2.5 sq.mm, 4 core	Km	60	177,944.00	10676640.00	CE(P&SCM)
88	73	Control Cable 4 sq.mm, 12 core	Km	20	677,886.29	13557725.74	CE(P&SCM)
89	74	Control Cable 4 sq.mm, 4 core	Km	70	257,405.20	18018364.00	CE(P&SCM)
90	75	Control Cable 4 sq.mm, 2 core	Km	10	157,235.00	1572350.00	CE(P&SCM)
91	76	Stub & Cleat for 'D30' type tower	Set	32	39,347.10	1259107.20	CE(P&SCM)
92	77	3m Extension for 'D30' type tower	Set	13	101,114.20	1314484.60	CE(P&SCM)
93	78	4.5m Extension for 'D30' type tower	Set	56	133,399.00	7470344.00	CE(P&SCM)
94	79	110 kV DC Tower - 'D60' type	Set	42	576,194.00	24200148.00	CE(P&SCM)
95	80	Stub & Cleat for 'D60' type tower	Set	41	69,053.60	2831197.60	CE(P&SCM)
96	81	4.5m Extension for 'D60' type tower	Set	28	172,297.70	4824335.60	CE(P&SCM)
97	82	220 kV DC Tower - 'Q' type	Set	3	656,345.50	1969036.50	CE(P&SCM)

98	83	3m Extension for 'Q' type tower	Set	4	123,422.10	493688.40	CE(P&SCM)
99	84	6m Extension for 'Q' type tower	Set	2	220,724.90	441449.80	CE(P&SCM)
100	85	110 kV MC Tower - 'M60' type tower	Set	2	2,077,774.00	4155548.00	CE(P&SCM)
101	86	Stub & Cleat for 'M60' type tower	Set	3	106,719.20	320157.60	CE(P&SCM)
102	87	Transformer Oil	KL	180	107,368.20	19326276.00	CE(P&SCM)
103	88	Energy Meter 3 Ph, 4 Wire, 110 V, -/1A					CE(P&SCM)
104	i	Class -0.2S, CT type (Uni directional)	No	123	12,000.00	1476000.00	CE(P&SCM)
105	ii	Class -0.2S, CT type (Bi directional)	No	209	14,000.00	2926000.00	CE(P&SCM)
106	iii	Class -0.5S, CT type (Uni directional)	No	146	8,000.00	1168000.00	CE(P&SCM)
107	iv	Class -0.5S, CT type (Bi directional)	No	62	8,500.00	527000.00	CE(P&SCM)
Total						<b>3229664806.95</b>	
<b>Rounded to Rs.322,96,64,807/- (Rupees Three hundred and twenty two crore ninety six lakhs sixty four thousand eight hundred and seven only)</b>							

sd/-

**Chief Engineer (P&SCM)**

<b>Annexure- II (B)</b>						
<b>Procurement Plan 2024-25 - Requirement of Transmission Materials- Fabricated items</b>						
<b>SI No</b>	<b>Material Name</b>	<b>Unit</b>	<b>Qty</b>	<b>AIR/Unit</b>	<b>Total Amount (Rs)</b>	<b>Procurement Authority</b>
1	14m 'A' POLE	No	140	62,841.19	8797766.60	Fabrication at Civil Circle Pallom
2	Lattice Structure - A type	No	35	124,840.47	4369416.45	Fabrication at Civil Circle Pallom
3	Lattice Structure - B type	No	180	199,969.00	35994420.00	Fabrication at Civil Circle Pallom
4	Lattice Structure - C type	No	210	149,888.79	31476645.90	Fabrication at Civil Circle Pallom
5	1.8m Channel Cross Arm with clamp, bolt & nut	No	1200	1,478.66	1774392.00	Fabrication at Civil Circle Pallom
6	2.4m Channel Cross Arm with clamp, bolt & nut	No	900	2,066.76	1860084.00	Fabrication at Civil Circle Pallom
7	3.15m Channel Cross Arm with clamp, bolt & nut	No	1500	3,689.79	5534685.00	Fabrication at Civil Circle Pallom
8	MS rod 32mm dia	MT	600	62,717.00	37630200.00	Fabrication at Civil Circle Pallom
9	GI Strip (50x6mm)	MT	600	83,000.00	49800000.00	Fabrication at Civil Circle Pallom
<b>Total</b>					<b>177,237,609.95</b>	

**Rounded to Rs.17,72,37,610/- (Rupees Seventeen crore seventy two lakhs thirty seven thousand six hundred and ten only)**

sd/-  
**Chief Engineer (P&SCM)**

**Annexure-II (C)**

**Procurement Plan 2024-25 - Requirement of Transmission Materials**

SI No	Material Name	Unit	Qty	AIR/Unit	Total Amount (Rs)	Procurement Authority	
1	1	33 kV Indoor Panel (Other Combinations)					
2	i	1 feeder (IC) + 1 Bus Coupler	Set	1	3,553,204.91	3553204.91	CE (T-N)/CE (T-S)
3	ii	1 Transformer (Primary) + 1 Bus Coupler	Set	1	3,788,724.65	3788724.65	CE (T-N)/CE (T-S)
4	2	ACSR Conductor, Moose	Km	6	491,837.22	2951023.30	CE (T-N)/CE (T-S)
5	3	ACSR Conductor, Panther	Km	8	121,965.80	975726.40	CE (T-N)/CE (T-S)
<b>Total</b>					<b>11,268,679.26</b>		

**Rounded to Rs.1,12,68,679/- (Rupees One crore twelve lakhs sixty eight thousand six hundred and seventy nine only)**

sd/-  
**Chief Engineer (P&SCM)**

<b>Annexure-III (A)</b>						
<b>Procurement Plan 2024-25 - Requirement of Generation Wing</b>						
<b>Sl No.</b>	<b>Name of equipment</b>	<b>Unit</b>	<b>Qty</b>	<b>AIR/Unit</b>	<b>Total</b>	<b>Procurement Authority</b>
1	110 kV Bus Isolator (Double Break), 800 A Gang Operated (motorised) With structure	Set	24	347864	8348736	CE(P&SCM)
2	110kV Bus Isolator (1200 Amp, Triple pole, Double Break, Gang operated, motorised) With structure	Set	2	364738	729476	CE(P&SCM)
3	66kV Line Isolator 800 Amp	Set	2	111591	223182	CE(P&SCM)
4	110kV CT (800/400/200/1-1-1-1-1) Without structure	No.	21	227259.03	4772439.63	CE(P&SCM)
5	66 kV CT 400/ 200/100/1-1-1-1) Without structure	No.	7	113160.43	792123.01	CE(P&SCM)
6	66 kV CT 200/100/50/1-1-1-1) Without structure	No.	5	87307.02	436535.1	CE(P&SCM)
7	33 kV Current Transformer 400-200-100/1-1-1-1	No.	3	92040	276120	CE(P&SCM)
8	110 kV CVT	set	1	156409	156409	CE(P&SCM)
9	110 kV PT Without structure	No.	3	150696.5	452089.5	CE(P&SCM)
10	66 kV PT Without structure	No.	2	83341.748	166683.496	CE(P&SCM)
11	11kV PT	No.	1	31270	31270	CE(P&SCM)
12	220kV PT	No.	2	391170	782340	CE(P&SCM)
13	66 kV, 3150A SF6 Circuit Breaker with structure	set	2	547943.27	1095886.54	CE(P&SCM)
14	110kV, 3150A SF6 Circuit Breaker with structure	No.	1	658344.3	658344.3	CE(P&SCM)
15	110kV, SF6 Circuit Breaker with structure 1250A	Set	1	414416	414416	CE(P&SCM)
16	220 kV Circuit Breaker 245 kV, 3150 A	Set	1	1563439.7	1563439.7	CE(P&SCM)
17	110 kV POST INSULATOR	No.	6	483741	2902446	CE(P&SCM)
18	110 kV lightning arrester Without structure	No	21	42509.5	892699.5	CE(P&SCM)
19	66KV LA Without structure	No	4	18396.53	73586.12	CE(P&SCM)
20	33 kV Lightning Arrester Station Class - 3	set	3	9894.3	29682.9	CE(P&SCM)
21	11 kV Station Class Lightning Arrester POLYMER	No	82	2795.52	229232.64	CE(P&SCM)
22	11kV 3 x 300sqmm XLPE UG Cable,	km	0.7	1522790	1065953	CE(P&SCM)
23	11 kV 400 A AB Switch	No.	23	18528.36	426152.28	CE(P&SCM)
24	11kV, 630 A AB Switch	No.	4	24598.28	98393.12	CE(P&SCM)
25	10 panel Set 11kV Indoor switch gear panel 1250 A,	set	2	6221227.03	12442454.06	CE(P&SCM)
26	10 PANEL Set 11kV Indoor switch gear panel, incomer 2000A, Feeder 630A	set	1	8909631	8909631	CE(P&SCM)
27	PSC Pole 9m	No.	25	3589.36	89734	CE(P&SCM)
28	PSC pole 8m	No.	65	2850.85	185305.25	CE(P&SCM)
29	Pin insulator with Pin (LT)	No.	150	71.4	10710	CE(P&SCM)

30	Pin insulator with Pin (HT) composite	No.	383	170.39	65259.37	CE(P&SCM)
31	LT Shackle with CBN	No.	200	65.96	13192	CE(P&SCM)
32	Stay insulator HT	No.	392	47.79	18733.68	CE(P&SCM)
33	Stay insulator LT	No.	170	18.88	3209.6	CE(P&SCM)
34	HT Stay wire	kg	2100	73	153300	CE(P&SCM)
35	LT Stay wire	kg	500	75	37500	CE(P&SCM)
36	200 A Fuse unit	No.	43	922	39646	CE(P&SCM)
37	100 A Fuse unit	No.	12	423	5076	CE(P&SCM)
38	Service wire 2.5mm2	m	7000	8.5	59500	CE(P&SCM)
39	500 kva dist transformer	No.	1	848058.92	848058.92	CE(P&SCM)
40	ACSR Rabbit	km	42	45665.65	1917957.3	CE(P&SCM)
41	ACSR Racoon	km	0.5	68518.39	34259.195	CE(P&SCM)
42	HT ABC 3*120 + 1*95	km	12	935590	11227080	CE(P&SCM)
43	LT ABC 1x25+ 1x25 sq.mm	km	3	51680	155040	CE(P&SCM)
44	Spacer 3 phase	No	200	54.06	10812	CE(P&SCM)
45	Spacer single phase	No	100	34.65	3465	CE(P&SCM)
	<b>GRAND TOTAL</b>				<b>62,847,559.21</b>	
<b>Rounded to Rs.6,28,47,559/- (Rupees Six crore twenty eight lakhs forty seven thousand five hundred and fifty nine only)</b>						

sd/-  
**Chief Engineer (P&SCM)**



**Annexure - III(B)****Procurement Plan 2024-25 - Requirement of Generation Wing- Fabricated items**

Sl No.	Name of equipment	Unit	Qty	AIR/Unit	Total	Procurement Authority
1	A pole 11M	No.	100	32806.18	3280618	Fabrication at Civil Circle Pallom
2	A pole 12M	No.	8	37088.27	296706.16	Fabrication at Civil Circle Pallom
3	A pole 8 M (due to difficult terrain)	No.	30	8410	252300	Fabrication at Civil Circle Pallom
4	Channel cross arm with CBN 3 m	No.	62	3425.93	212407.66	Fabrication at Civil Circle Pallom
5	Channel cross arm with CBN 2.4 m	No.	110	2066.76	227343.6	Fabrication at Civil Circle Pallom
6	4 line cross arm with CBN	No.	70	866.29	60640.3	Fabrication at Civil Circle Pallom
7	2 line cross arm with CBN	No.	70	530.33	37123.1	Fabrication at Civil Circle Pallom
8	V cross arm with CBN	No.	103	1281.48	131992.44	Fabrication at Civil Circle Pallom
9	Earth pipe	No	280	721.99	202157.2	Fabrication at Civil Circle Pallom
10	Packing clamp	No	295	40.02	11805.9	Fabrication at Civil Circle Pallom
11	LT stay rod	No.	130	310.97	40426.1	Fabrication at Civil Circle Pallom
12	HT stay rod	No.	412	487	200644	Fabrication at Civil Circle Pallom
13	Pole top bracket	No.	122	189.16	23077.52	Fabrication at Civil Circle Pallom
14	MS Cleat	No.	32	74	2368	Fabrication at Civil Circle Pallom
15	GI strip 50 x 6 mm	kg	8000	80	640000	Fabrication at Civil Circle Pallom
16	GI strip 25 x 3 mm	Kg	57	80	4560	Fabrication at Civil Circle Pallom
17	GI strip 65 x 10 mm	Kg	561	80	44880	Fabrication at Civil Circle Pallom
	<b>GRAND TOTAL</b>				<b>5,669,049.98</b>	
<b>Rounded to Rs.56,69,050/- (Rupees Fifty six lakhs sixty nine thousand and fifty only)</b>						

sd/-

**Chief Engineer (P&SCM)**

<b>Annexure- III (C)</b>						
<b>Procurement Plan 2024-25 - Requirement of Generation Wing</b>						
<b>Sl No.</b>	<b>Name of equipment</b>	<b>Unit</b>	<b>Qty</b>	<b>AIR/Unit</b>	<b>Total</b>	<b>Procurement Authority</b>
1	220kV Three phase Bus Isolator 1250 A	set	21	253091	5314911	CE (Gen)
2	220 kV Line isolator with Earth Switch, 1250 A	set	7	444624	3112368	CE (Gen)
3	110kV CT (600-/300 -150/1-1-1-1-1) Without structure	No	4	138060	552240	CE (Gen)
4	110kV CT (400/200/100 /1-1-1-1-1) With structure	No	24	240500	5772000	CE (Gen)
5	110kV CT (100/75/50 /1-1-1-1-1) Without structure	No	3	120000	360000	CE (Gen)
6	110kV CT (300/150/75/1-1-1-1-1) With structure	No.	2	175897	351794	CE (Gen)
7	110kV CT (100/1-1-1-1-1) Without structure	No.	6	120000	720000	CE (Gen)
8	66KV CT ( 600 /300/ 150/ 75 / 1-1-1-1A ) -outdoor Without structure	No.	23	114647.2	2636884.45	CE (Gen)
9	3.3 kV Current Transformer 375/1-1A, CL-PS, KPV>150V, CL-5P10, burden 20VA	No.	1	75450	75450	CE (Gen)
10	3.3 kV Current Transformer 375/1-1A, CL-PS, KPV>150V, CL-0.5S, burden 30VA	No.	1	76854	76854	CE (Gen)
11	3.3 kV Current Transformer 375/1-1A, CL-PS, KPV>150V, burden 20VA	No.	1	73894	73894	CE (Gen)
12	3.3 kV Current Transformer 375/1-1A, CL-PS, KPV>150V, CL5P10, burden 10VA	No.	1	78945	78945	CE (Gen)
13	3.3 kV Current Transformer 1000/1-1A, CL-PS, KPV>150V, CL0.5, burden 20VA	No.	1	76485	76485	CE (Gen)
14	3.3 kV PotentialTransformer 3.3kV/110V/110V, burden 50VA	No.	1	71589	71589	CE (Gen)
15	66kV CVT (class 0.2)	No.	2	121471	242942	CE (Gen)
16	11kV Tension set	set	40	249	9960	CE (Gen)
17	220 V Battery 535 AH	set	1	864302	864302	CE (Gen)
18	220 V, 400 AH Battery Plante type	Set	1	2223410	2223410	CE (Gen)
19	Battery Charger - 110V, 150 A dual float cum boost charger	No.	2	1557480	3114960	CE (Gen)
20	Battery Charger - 110V, 60A dual float cum boost charger	No.	3	329220	987660	CE (Gen)

21	Battery Charger - 220V, 60A dual float cum boost charger	No.	1	354115	354115	CE (Gen)
22	4x4 sq.mm cable	km	2	257405.2	514810.4	CE (Gen)
23	4x2.5 sq.mm cable	km	6	177944	1067664	CE (Gen)
24	11 kV Feeder Truck 1250 (Stelmec make)	No.	1	325463	325463	CE (Gen)
25	11 kV Feeder Truck 630A, 25kA indoor type VCB (Alind make)	No.	2	243567	487134	CE (Gen)
26	11kV transformer VCB truck (Alind make)	No.	1	321786	321786	CE (Gen)
27	DO fuse	set	17	1103.3	18756.1	CE (Gen)
28	500 A fuse unit	No.	3	1471	4413	CE (Gen)
29	Service wire 4 mm <sup>2</sup>	m	1400	15.3	21420	CE (Gen)
30	LT ABC 3x50 + 1x50 + 1x 50 sq.mm	km	7	276946	1938622	CE (Gen)
31	Surge Arrestor for LT line	No	12	991	11892	CE (Gen)
32	Surge capacitor 12kV 942A 25mF	No.	6	15124	90744	CE (Gen)
33	11kV stay plate	No.	342	486.04	166225.68	CE (Gen)
34	11kV Stay tightener	No.	342	482.88	165144.96	CE (Gen)
35	Composite hardware fitting	No.	220	249	54780	CE (Gen)
36	6 SWG GI wire	kg	700	64	44800	CE (Gen)
37	Earth coil	Coil	100	588.5	58850	CE (Gen)
38	GI wire 4 sq.mm	kg	50	64	3200	CE (Gen)
	<b>GRAND TOTAL</b>				<b>32,366,468.59</b>	
<b>Rounded to Rs.3,23,66,469/- (Rupees Three crore twenty three lakhs sixty six thousand four hundred and sixty nine only)</b>						

sd/-  
Chief Engineer (P&SCM)